Volume 167 No. 14

Oil, Paint and Drug Reporter

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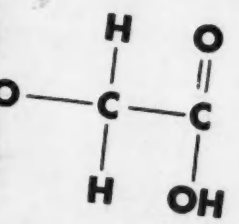

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Fair Trade Laws End Urged by Gov't Panel

Branding fair trade pricing as an unwarranted compromise of the basic tenets of national antitrust policy, the Attorney General's National Committee to Study the Antitrust Laws last week called on congress to repeal both the Miller-Tydings act, which exempts fair trade contracts from antitrust prosecutions, and the McGuire act, which extends the exemption to the non-signers of fair trade contracts.

The recommendation of the committee was not unanimous, however. A few committee members felt that repeal of the two laws without doing anything more overlooks the serious business problems recognized by congress and the state legislatures in adopting the fair trade laws. They believed that congress should consider means for treating problems like loss leader sales and debasement of widely advertised trademark and business goodwill.

Danger to Small Retailers Seen

In addition, they feared that repeal of fair trade may prejudice existence of small retailing units which comprise an important part of the country's merchandising system. A few members flatly opposed repeal. They felt that irresponsible price cutting presents a problem for which there now exists no other practical remedy besides these laws.

In discussing the fair trade laws, the report of the committee reviewed the history of the Miller-Tydings act, the McGuire act and the several supreme court and appeals court decisions, as well as the fact that some forty-five states have adopted such laws.

"As a result of local enabling and federal exemptive legislation," the report continued, "resale-price fixing, otherwise a clear antitrust violation, is today lawful in most American states. While some state courts have invalidated 'fair trade' provisions as defective under state constitutions, numerous state tribunals have sustained local 'fair trade' laws as proper exercise of legislative power. And recently the federal constitutionality of the McGuire act was upheld by a United States Court of Appeals.

Unsettled Enforcement Matters

"However, significant areas of resale-price enforcement remain unsettled as a matter of statutory interpretation. The factual content of the statutory prerequisite that 'fair traded' goods must be 'in free and open competition with commodities of the same general class' still lacks authoritative interpretation. Also, the express statutory denial of the 'fair trade'

—Continued on page 41

Rubber Plant Time Extended

President Eisenhower last week signed a bill which extends the time allowed for the negotiation of sale of a synthetic rubber plant owned by the government in Baytown, Tex. The plant is one of the twenty-seven synthetic rubber plants that have been put up for sale since 1953.

Gov't Butadiene Plant Is Leased to Publicker

The Rubber Producing Facilities Disposal Commission announced last week that it had leased the alcohol butadiene plant at Louisville, Ky., for a three-year period to Publicker Industries, Inc., Philadelphia.

Terms of the lease provide that Publicker will pay the government $6 per ton for every ton of butadiene produced, with a minimum guaranteed monthly rental of $1,000. The plant has a designed annual capacity of 60,000 short tons. Implementing the lease, Publicker has signed a protection and maintenance contract with Federal Facilities Corporation at actual cost of this service.

The company will take possession today and plans to start butadiene production as soon as possible. The plant has not operated since August, 1953. The lease, which is subject to cancellation by the government and contains a national security clause and a provision covering recapture rights of the government, does not need to be reviewed by congress.

Methanol, Glycerine Goals Kept Open Until June 30

The Office of Defense Mobilization last week said it had decided to keep open the expansion goals for synthetic methanol and glycerine another six months—to June 30 of this year. No other changes was made in the goals, and the extension merely means that interested firms have until the new date to file applications for tax amortization certificates covering expansion projects.

Meanwhile, the agency has closed the expansion goals for lithium compounds, toluol and pentaerythritol. Although these goals have been fully subscribed for some time, ODM said, they have been retained on the "open goal list" because when last reviewed, construction had not started under some of the certificates which were outstanding.

Aluminum Scrap Under Quota

Second quarter export licensing of new and old aluminum scrap, including remelt ingots, will be limited to a quota of 9,000 short tons, the Bureau of Foreign Commerce announced last week. In addition, with the exception of exports to Mexico, licensing of primary and secondary ingots will be restricted to 1954 export levels. BFC's action followed in the wake of the Office of Defense Mobilization's reduction of aluminum intended for the national stockpile during the first half of 150,000,000 pounds (OPD, 3/28/55).

Coaltar Intermediates, Dyes Tariffs Can't Be Cut Further, Gov't Told

Sharp warnings were issued by representatives of the chemical industry to the Tariff Commission and the Committee for Reciprocity Information last week that any further reductions in import duties on coaltar intermediates and coaltar colors and dyes will threaten the continued manufacture of these products in this country and conflict with national security requirements.

The warnings were contained in testimony and statements filed with the two agencies at two full days of hearings last week on the supplemental list of products (OPD, 2/28/55) subject to negotiation in connection with the proposed trade agreement with Japan, and in the reopening of the trade agreement with Switzerland to provide compensating concessions for the recent action of the President in raising duties on imports of Swiss watches.

Although several other products in the tariff schedule of the tariff act of 1930 are involved in the trade agreement negotiations, the interest of the chemical industry was centered on the proposed duty changes on colors, dyes, phenol, intermediates and the products of the industry classed as textile assistants. More than a dozen witnesses notified the Tariff Commission and the reciprocity committee of opposition to tariff cuts.

Duty Status of Dyes Detailed

The present duty on dyes is 3½ cents a pound plus 22½ percent on the American selling price, with a minimum of 40 percent equivalent ad valorem. This was reduced from 7 cents a pound and 45 percent in the 1936 trade agreement with Switzerland. Under the trade agreements act, duties can be reduced another 50 percent so that, in the case of dyes, a new negotiated rate of 1¾ cents a pound plus 11¼ percent on the American selling price, with a minimum of 20 percent equivalent ad valorem is possible.

In a brief detailing its opposition to any reductions in duties on these products, Monsanto Chemical Company, St. Louis, Mo., declared that there is no economic justification for tariff concessions on these products, but, on the contrary, there are valid reasons for retaining the present tariffs. Monsanto does not make dyestuffs but makes the intermediate chemicals which are the key commodities of the synthetic organic chemical industry.

It was stated that lower tariffs would permit lower prices on imports and greatly increase the volume of such imports which would require a curtailment of production and sale of domestic dyestuffs and of the intermediates. Such a reduction in output would create two serious problems, it was added.

Problems in Reduced Output

"First," it was explained, "it would necessitate reduction in output and a higher schedule of prices for all of the many other synthetic organic products which are concomitant to the production of the intermediates. Second, is the fact that the present production capacity for these chemicals in the United States is approximately 500,000,000 to 700,000,000 pounds below the minimum level esti-

—Continued on page 42

Nickel Supply for Industry To Hold for Three Months

The total supply of nickel for industry for all uses, including defense rated and non-defense uses for the months of April, May and June will be the same as for the months of February and March, it has been estimated by the Business and Defense Services Administration. This was made possible by the government's action in continuing during the second quarter of 1955 arrangements first made in February and March whereby additional nickel is being made available to United States industry.

Under these arrangements, deliveries to the government are adjusted to release 1,000,000 pounds a month for industrial uses. The supply of nickel for non-defense business will, however, be less during April than March. This results from an increase in defense rated orders placed by producers of nickel-bearing products upon nickel suppliers. These orders take precedence over non-defense business. The amount available for non-defense use in May and June will depend on defense requirements for these months.

CCC to Continue Offering Products for Sale in April

The Commodity Credit Corporation announced last week that it would continue to offer for sale during April for domestic use its stocks of non-fat dry milk solids, dry whey, dry whey products, condensed whey, crude and refined cottonseed oil, raw linseed oil, tung oil, olive oil, gum rosin, gum turpentine, grain sorghums and flaxseed for crushing.

Condensed whey is the only new item that has been added to the sales list by the agency. The export sales list for April has been extended to include flaxseed, dry whey products and condensed whey. These products may be sold to the export trade at prices below those for domestic use. Also eligible for export sale at reduced prices are crude and refined cottonseed oil, raw linseed oil and grain sorghums.

Antitrust Law Penalty Fine Raised Ten Times by House

The house last week passed and sent to the senate for concurrent action H. R. 3659, by Rep. Emanuel Celler of New York, to increase the penalty for violation of the Sherman antitrust act from $5,000 to a maximum of $50,000 for each violation. This is the third time the house has passed such a bill, but the senate is yet to concur.

During house consideration three attempts were made by Rep. Wright Patman of Texas to increase the penalties that might be imposed on the big corporations which run afoul of the law, but they were soundly beaten. His principal amendment would have imposed a penalty of 5 percent of a corporation's assets rather than a dollar figure.

Copper Shortage Solution Seen Unlikely During Year

Prospects of alleviating shortages of copper this year by increased production from domestic mines do not appear encouraging, primary copper producers told the Business and Defense Services Administration last week. BDSA was told its estimate of 60,000 short tons of new mine production for 1955 was too optimistic.

Agency officials also cited estimates indicating a shortage of 11,000 short tons of copper in April and 6,000 tons in May. Industry spokesmen indicated that the supply might be higher than BDSA estimated, but conceded that the demand also may be higher than the estimate.

Continental Shelf Land Nominated by Operators

Eleven operators have nominated 594,666.31 acres of submerged land in the outer continental shelf off the coast of Louisiana and Texas as potential oil and gas areas they would like to see put up for future bonus bidding, it was announced last week by the Department of the Interior.

The nominations were submitted in response to an invitation issued February 8 by the department and are now being studied to determine if another public lease sale is advisable in the near future.

Chemical Exports Dropped In January; Imports Higher

January exports of chemicals and related products dipped below those of December but imports recorded a slight advance, according to preliminary estimates of the Bureau of Census. The bureau estimated exports in January at $79,800,000 as compared with $86,100,000 in December. A year ago, January exports totaled only $63,300,000. Imports last January amounted to $20,900,000 as compared with $20,600,000 in December and $23,000,000 in January, 1954.

Antitrust Study Findings Numerous, But Minor — Except for Fair Trade

Changes in the antitrust laws in the interest of clarity and modification of the enforcement activities of the administrative agencies to provide them with broader investigative authority were among the many recommendations contained in the report of the Attorney General's National Committee to study the Antitrust Laws made public last week.

Covering 390 printed pages, the report touched upon almost every conceivable phase of antitrust law enforcement, litigation and interpretation — administrative and judicial—that have given rise over the years to demands from industry for a clarification of intent of the law so that businessmen are better able to know what can and cannot be done under its provisions.

Recommendations Many, But Minor

The conclusions of the committee are scattered throughout the report, interspersed with critical comments of some of the members. While the recommendations of the committee were many, they are relatively minor in most instances, except for one notable exception—recommended repeal of the Miller-Tydings and McGuire acts. (See separate story elsewhere on this page.)

Eugene Rostow, a member of the committee, described the tenor of the report to be that "existing antitrust laws provide a suitable basis for a program of preventing and undoing significant restrictions on competition."

One of the early matters dealt with by the report is that of "conscious parallelism" which the Justice department and the Federal Trade Commission in the past have held to be grounds for action under the antitrust laws. The committee expressed agreement with the decisions of the supreme court that while uniform business behavior is evidence relevant to proof of agreement, it is not sufficient of itself to overcome a jury verdict based on other evidence that the defendant's conduct was not in fact concerted.

Agrees with Supreme Court

"This committee is in full accord with that supreme court reasoning," it was stated. "'Conscious parallelism' is not a

—Continued on page 70

Narcotics Bureau Shift Weighed at Conference

Problems connected with illicit trafficking in narcotics and the proposed transfer of the Bureau of Narcotics from the Treasury Department to the Department of Justice were explored at a luncheon meeting last week attended by a dozen senators, government officials and representatives of the drug manufacturers and the medical profession.

The meeting was called by Sen. Alexander Wiley of Wisconsin, who has been a leader in the fight against the transfer of the bureau, as well as the proposed transfer of the United Nations narcotics headquarters from New York to Geneva. The latter plan is now before UN Secretary General Dag Hammerskjold for decision as part of the reorganization of the secretariat.

Threat to Constitutionality Cited

Industry spokesmen spoke highly of the effective work of Commissioner Harry Anslinger of the Narcotics bureau in curbing the illicit traffic and warned that a transfer of the bureau might seriously disturb long-established working relationships between the bureau, the medical profession and the pharmaceutical industry. It was also stated that transfer of the bureau might endanger the constitutionality of press narcotics laws, since they are predicated in large part on administration of tax statutes.

Provision for transferring the bureau to the Department of Justice is contained in S. J. Res. 19, sponsored by Sen. Frederick Payne of Maine and a number of other senators. Recently a bill similar to S. J. Res. 19, but without the transfer provisions, was introduced by Sen. Price Daniel of Texas, chairman of a judiciary subcommittee which soon is to make an investigation of the narcotics situation and administration of the narcotics laws.

Transfer of the bureau was recommended by the first Hoover commission. In 1947, but the luncheon meeting was told by Dr. Theodore Klumpp, president of Winthrop-Stearns, Inc., New York, and chairman of the medical service task force of the current Hoover commission, that the new commission considered the question of transfer and decided not to recommend it.

Chesebrough Manufacturing Will Absorb Pond's Extract

A merger of Chesebrough Manufacturing Company, Consolidated, and Pond's Extract Company has been approved in principle by the directors of each company.

Under the proposed plan, Pond's Extract would be merged into Chesebrough and the stockholders of Pond's would receive 225,000 shares of Chesebrough's stock. The name of the combined company will be announced at a later date.

Since there are presently outstanding 318,786 shares of Chesebrough stock, the issuance of the additional 225,000 shares would represent approximately 7/10 of a share for each share of Chesebrough's stock now outstanding.

It is contemplated that, prior to the merger, Pond's will acquire Pond's Extract Company, Ltd. (an English corporation), and Pond's Extract Company of Canada, Ltd. It will also acquire the assets, other than cash, of Pond's Extract Company International, Ltd., which will then be liquidated. None of these companies is now owned by Pond's Extract Company.

Chesebrough, a subsidiary of the original Standard Oil Company until the latter's dissolution in 1911, manufactures "Vaseline" brand petroleum jelly, hair tonic, shampoo and other products. Pond's, successor to a business founded by T. T. Pond in 1846, manufactures a line of cosmetics.

Johnson Sells His Interest In Naftone, Leaves Company

Harold M. Johnson last week revealed that he has sold his interest in Naftone, Inc., and has resigned as a director and officer of the company. Mr. Johnson played an important role in the introduction and subsequent marketing of liquid driers, wetting agents, dispersing aids and fungicides. He said he has no immediate business plans.

Evans Advances Edman

Walter W. Edman has been appointed associate director of research by Evans Research & Development Corporation, New York. Before joining the Evans organization in 1942, Mr. Edman was with the old Colgate-Palmolive-Peet Company and with M. W. Kellogg Company.

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Cyanamid Installs Facilities For Medium-Scale Business

The installation of special facilities which can produce a wide range of chemical compounds and embody numerous different processes, was announced yesterday by Kenneth C. Towe, president of American Cyanamid Company, New York.

Normally, Mr. Towe pointed out in explaining the function of the new facilities, when a chemical is born in the research laboratory, and a process for making it is developed, limited quantities are manufactured in a small pilot plant and sent to potential customers for evaluation. Then, as possible end-uses for the product are developed, the demand increases, overloading the pilot plant facilities, but not quite justifying construction of a commercial plant.

The new facilities will produce quantities sufficiently large to meet this medium-scale demand, thus enabling other industrial companies to proceed with their own development programs with assurance of adequate supplies. Meanwhile, the production experience gained from this operation will permit Cyanamid to respond more quickly to large-scale demand calling for construction of commercial plants.

The facilities are divided between Cyanamid's plants at Bound Brook, N. J., and Warners, N. J. The Warners installation includes general manufacturing facilities and the Bound Brook unit has equipment for hydrogenation and other high pressure reactions. Ready for production in the new facilities are more than twenty derivatives of acrylonitrile, which is being produced in Cyanamid's new plant at Fortier, La., as well as a number of other new products.

Flocculant Development Is Revealed by Monsanto

Development of a chemical flocculant to remove suspended solids from foundry wash waters has been announced by Monsanto Chemical Company. The material, "Lytron 886," is effective in concentrations of as little as two parts per million, Monsanto said.

Based on solids content of the suspension, about 0.05 percent "Lytron" is needed for optimum flocculation. Generally this amounts to between two and eight parts per million in the settling unit, Monsanto pointed out. "Lytron 886," a polyelectrolyte, is the partial calcium salt of a carboxyl-containing copolymer of high molecular weight. It dissolves easily in warm water.

Koppers Plans to Put Up New Laboratory at Kobuta

The chemical division of Koppers Company plans to build a large new development laboratory adjacent to its newly-opened development plant at Kobuta, Pa., Fred C. Foy, president of Koppers, divulged last week.

The new laboratory, which will consist of three buildings connected in U-shape, will take products coming out of Koppers Verona, Pa., research center and test and develop them for use in various fields. Construction of the new laboratory will be under the direction of the company's engineering and construction division, and work is expected to get under way within a few months. Completion is slated early next year.

Warner-Hudnut, Lambert Merger Becomes Effective

Stockholders of Warner-Hudnut, Inc., New York, and Lambert Company, Jersey City, N. J., in special meetings last week approved the merger of their companies. Effective at the close of business March 31, the new company became known as Warner-Lambert Pharmaceutical Company. Elmer H. Bobst and Alfred E. Driscoll will continue as chairman of the board and president, respectively, positions they had held in Warner-Hudnut, Edward T. T. Williams, president of Lambert, becomes chairman of the executive committee.

Acetylated Monoglycerides Offered Semi-Commercially

Distillation Products Industries, division of Eastman Kodak Company, Rochester, N. Y., is now making distilled acetylated monoglycerides in semi-commercial quantities. Expected to have a great impact on the cosmetic industry, the monoglycerides are being marketed under the trademark "Myvacet" in two forms—a white solid at room temperature and a clear, practically colorless liquid.

Alcolac Reduces 'Sipons'

American Alcolac Corporation, Baltimore, Md., has announced price reductions on all of its products in the "Sipon" line. These are the first reductions in this line in more than two years. All "Sipons" in tank trailer loads have been reduced 1½ cents per pound and those in truck loads and drums have been reduced 1 cent.

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Price Index Down Again

The overall OPD price index continued the decline of recent weeks, and over the past week edged lower by 0.16 point, to stand at 107.07. The majority of changes in the oils, fats and waxes market was on the downward side, with cocoa butter, cottonseed meal, and Japan wax reduced. In addition, reductions were made for Brazilian castor, refined cottonseed, oiticica, palm, safflower, and crude and refined soybean oils. For the second time this year copper was boosted by 3 cents per pound, resulting in a price twenty percent higher than that in effect at the beginning of the year. Following the rise, several of the copper chemicals advanced, including all types of sulfates, carbonates, chlorides and hydrates.

Imported crude naphthalene increased a fraction of a cent. Other changes recorded in the coal chemicals market included advances for b-naphthol, R salt and Tobias acid, which took effect April 1, but which had been announced previously. A number of coaltar dye price increases became effective also on April 1. The agricultural chemicals section noted lower quotations in Chicago for dried blood and tankage.

In the industrial organic chemicals group, price changes were limited to a fractional advance for eastern tankcar quotations on formaldehyde, which had been scheduled and announced earlier. Egg albumen flake and powder was easier in the textile and leather chemicals market, as was egg yolk. Prices for petroleum derivatives remained unchanged.

Among protective coatings materials, lead naphthenates and tallates were reduced. The action came in response to competition in the dryer market. Argentine casein prices edged lower in a market that showed a marked lack of consumer interest. Spot quotations of bois de rose, Java-type citronella and USP spearmint oils moved higher. Other price changes in the essential oils, aromatics and flavorings section were in a downward direction. Included in the list of materials declining were anise seed, caraway seed, French celery seed, Ceylon and "0000" cinnamon, dill seed, ginger, pimento, poppy seed, and Ceylon citronella oil.

The drugs, fine chemicals and botanicals market reported an upward movement in the NF grade of tannic acid following higher raw materials costs. In this section, Brazilian menthol firmed.

Prices Advanced

Acid, tannic, NF, 20c. per lb. (53).
Copper acetate, 3c. per lb. (39).
Carbonate, 2c. per lb. (39).
Chloride, cryst., 1½c. per lb. (39).
Hydrate, 2½c. per lb. (39).
Metal, 3c. per lb. (39).
Sulfate, CP, 1c. per lb. (39).
cryst., 99%, $1 per hundred lbs. (39).
monohydrated, $1.50 per hundred lbs. (39).
tribasic, $2 per hundred lbs. (39).
Dyes, coaltar, 2c. to 30c. per lb. (48).
Formaldehyde, 37%, inhibited, Zone 1, tanks, 0.45c. per lb. (46).
methanol-free, Zone 1, tanks, ½c. per lb. (46).
Greases, ⅛c. per lb. (61).
Lard, ¼c. per lb. (61).
Menthol, Brazilian, 20c. per lb. (53).
Mercury, $1 per flask (39).
Naphthalene, crude, imp., ¼c. per lb. (48).
b-Naphthol, 2c. per lb. (48).
Oil, bois de rose, 30c. per lb. (59).
Citronella, Java-type, 15c. per lb. (59).
Corn, crude, ¼c. per lb. (61).
refd., ¼c. per lb.
Tall, crude, ¼c. per lb. (61).
refd., ¼c. per lb.
Tung, ¼c. per lb. (61).
Spearmint, USP, 10c. per lb. (59).
R salt, 5c. per lb. (48).
Tallow, edible, ¼c. per lb. (61).
Inedible, ¼c. per lb.
Tobias acid, 3c. per lb. (48).

Prices Reduced

Anise seed, 1c. per lb. (59).
Blood, dried, Chicago, 50c. per unit-ton (51).
Caraway seed, ½c. per lb. (59).
Casein, Argentine, spot, ½c. per lb. (63).
Celery seed, French, 1c. per lb. (59).
Cinnamon, Ceylon #2, 1c. per lb. (59).
"0000," 3c. per lb.
Cocoa butter, 1c. per lb. (61).
Cottonseed meal, $1 per ton (61).
Dill seed, 1c. per lb. (59).
Egg albumin, flake, 4c. per lb. (44).
powd., 4c. per lb.
Yolk, 5c. per lb.
Ginger, Sierra Leone, ½c. per lb. (59).
Nigerian, splits, 1c. per lb.
Lead, naphthenate, liquid, 16%, ½c. per lb. (63).
24%, 2¾c. per lb.
solid, 37%, 3¾c. per lb.
tallate, liquid, 16%, ¼c. per lb. (63).
24%, 1¾c. per lb.
solid, 30%, ¼c. per lb.
Linseed meal, $2 per ton (61).
Oil, castor, Braz., ¼c. per lb. (61).
Citronella, Ceylon, 5c. per lb. (59).
Cottonseed, refd., ⅛c. per lb. (61).
Oiticica, ¼c. per lb. (61).
Palm, ½c. per lb. (61).
Safflower, ¼c. per lb. (61).
Soybean, crude, ¼c. per lb. (61).
refd., ¼c. per lb.
Pimento, Jamaica, 1c. per lb. (59).
Mexican, 3c. per lb.
Poppy seed, 1c. per lb. (59).
Tankage, Chicago, 50c. per unit-ton (51).
Vanilla beans, Bourbon, 75c. per lb. (59).
Mexican, whole, 75c. per lb.
Tahiti, $1.25 per lb.
Wax, Japan, 2c. per lb. (61).

OPD Price Index

THE OIL, PAINT AND DRUG REPORTER'S relative record of prices of chemicals and related materials is currently as follows:—

(100—1949 average)

April 1, 1955	March 25, 1955	April 2, 1954
107.07	107.23	108.12

Air Pollution Controls Felt Likely to Tighten

Public demand will force more stringent regulation of industrial firms that cause unpleasant odors and fumes, a survey of law enforcement officials in major US cities indicates. The survey was conducted among regulatory officials in sixty-seven cities by Pendray & Co., New York public relations counseling firm. A 77 percent response was received.

Among the enforcement officials who replied to the questionnaire, 62 percent reported specific plans to intensify enforcement efforts. A total of 68 percent declared that public interest in odor problems is increasing, and over 40 percent said that complaints are rising.

Industry is the major source of odor and fume problems, according to the officials, although vehicles and domestic causes rank high. In order of frequency of mention, these are the prime sources of odors and fume complaints:—Chemicals, vehicles, paint and varnish, food processing, domestic causes, rendering plants, plastic, oil refineries, coke works, rubber, steel, insulation, fish, gas works, pharmaceutical, soap and detergents, and breweries.

A large majority of the officials declared that industrial firms in their area had found it both difficult and expensive to solve odor and fume problems. This, combined with a lack of objective, scientific standards on which to base regulation, has resulted in a relatively lenient enforcemen program up to now, they point out.

Most of the respondents stressed the need for considerably more research into causes and cures. General satisfaction was expressed toward practically every well known method for industrial odor control, although many officials indicated a lack of personal knowledge of these technics.

Krupp, Barred as Producer Of Steel, Moves Into Plastics

Barred by the Allied Powers from producing coal and steel, Germany's vast Krupp company is moving into the plastics field. So said Alfred Krupp, forty-six-year-old head of the former armament dynasty, last week at the company's annual jubilee ceremonies in Essen.

According to Herr Krupp, the German firm has bought an American license for "new types of machinery for production of synthetic fibers." This, he said, is part of the company's striking postwar comeback on the international scene. Among other projects extending all over the globe, the Krupp company is engaged in developing plants to process vegetable oils in the Sudan, Pakistan and Iran.

Herr Krupp was sentenced by a US war crimes court in 1948 to twelve years for exploiting slave labor and plundering conquered countries. Early in 1951, however, he was freed from Landsberg Prison on American orders.

Cincinnati Chemical Works To Buy Ciba's N.J. Facilities

Cincinnati Chemical Works, Inc., Cincinnati, Ohio, will in the near future purchase the vat dye plant recently built and put into operation at Toms River, N. J., by Ciba States, Ltd., it has been announced by Dr. Robert Kaeppeli, managing director of Ciba, Ltd., of Basle, Switzerland, and president of Ciba States.

Since 1920 Cincinnati Chemical Works has been owned by three Swiss dyestuffs manufacturers, Ciba, Ltd.; J. R. Geigy, S. A., and Sandoz, Ltd. The products of the factory are supplied to the American subsidiaries of the Swiss firms.

Roure-Dupont's Board Now Is Headed by J. S. Wiedhopf

Roure-Dupont, Inc., New York, has elected J. S. Wiedhopf chairman of the board. A veteran in the fragrance field, Mr. Wiedhopf joined Alfred H. Smith Company in 1907. He went into business with Guy T. Gibson in 1921 for the distribution of Caron perfumes, and two years later they founded Parfums Ciro, Inc. Mr. Wiedhopf recently retired as president of Parfums Ciro, a post he had held since 1939.

Sanders Chemical Expands

Sanders Chemical Company, Philadelphia, has enlarged its facilities and set up a new addition which will be used solely for the manufacture of potassium acid saccharate and its various derivatives. The products, Sanders said, will be priced for commercial use and will be marketed under the trade name "PAS." The material is a mono-potassium salt of a polyhydroxy dibasic acid.

Solvay Coordination, Sales Heads

John H. Elleman (right) has been named director of the newly-established coordination department and Arthur Phillips, jr., has been named his successor as director of sales, it has been announced by the Solvay Process Division of Allied Chemical & Dye Corporation, New York. Under the new set-up, Solvay's technical service department will report to Mr. Elleman, who will make his headquarters at Syracuse, N. Y. In addition, Mr. Elleman will supervise Solvay's sales training program and maintain liaison between the sales, operating and development departments. Mr. Phillips will continue to be located at Solvay's executive office in New York city.

Polyethylene Plant Running, National Petro-Chemicals Says

A new 26,000,000 pound per year polyethylene resin plant at Tuscola, Ill., is now on stream, it has been announced by Dr. Robert E. Hulse, vice-president of National Petro-Chemicals Corporation, New York. The resins, under the trademark designation "Petrothene," are being marketed through the sales facilities of U. S. Industrial Chemicals Company, New York. They are available in pellet form, packaged in fifty pound net weight multiwall bags, in grades suitable for extrusion, compression and injection molding. Warehousing facilities have been set up at Chicago; Newark, N. J., and Anaheim, Calif.

National Petro-Chemicals Corporation, the manufacturing organization, is a joint enterprise of National Distillers Products Corporation and Panhandle Eastern Pipeline Company. U. S. Industrial Chemicals Company, the selling organization, is a division of National Distillers. "Petrothene" polyethylene resins are being produced by a modified ICI process from high-purity ethylene. The ethylene and all its precursors are also produced at the Tuscola "Petro" plant, which consists of a highly-integrated group of chemical units designed to upgrade natural gas hydrocarbons into a variety of chemicals.

Bakelite Makes Roberts Its Director of Research

Bakelite Company, New York, a division of Union Carbide & Carbon Corporation, has appointed Dr. Frederick H. Roberts director of research. Dr. Roberts joined Union Carbide in 1934, and since 1936 he has been director of plant laboratories for Carbide & Carbon Chemicals Company, South Charleston, W. Va., another Union Carbide division.

DuPont Purchasing Unit Raised to Division Status

The plant service section of the purchasing department of E. I. duPont de Nemours & Co., Wilmington, Del., has been raised to division status in a move toward further decentralization of purchasing activity. P. Lea Spruance, assistant manager of the supplies division, has been promoted to manager of the new division.

Establishment of the plant service division emphasizes a change of policy in purchasing. For many years buying has been highly centralized in the Wilmington headquarters of the company but for the past year and a half a plan has been in effect to gradually shift more of the purchasing to the plant levels. It is anticipated that the large dollar volume buying will continue to be handled by the purchasing department in Wilmington but the plan is to decentralize by making a larger volume of purchases at the plants.

Barrett Now Producing Caprolactam-Type Nylon

Large-scale production of a new type of nylon molding compound was announced last week by Barrett Division, Allied Chemical & Dye Corporation, New York. The new nylon compound, according to T. J. Kinsella, president of Barrett, opens up a wide range of new applications for nylon in industrial and consumer products. As an example, nylon film of extremely high strength and clarity, and also molded bottles of nylon were cited.

Mr. Kinsella pointed out that Allied has made a heavy investment in production facilities for this new nylon—the concern's first major thermoplastic, and that it plans to be an important producer of caprolactam-type nylon. Called nylon

—Continued on page 70

Diammonium Phosphate Project Slated

Despite opposition by the fertilizer industry and some members of congress, the Tennessee Valley Authority has indicated that it intends to go ahead with plans for the production and distribution of diammonium phosphate.

In a ten-page statement outlining the project, the agency said that the diammonium phosphate operation does not involve a new plant. Instead, TVA will use existing facilities which have been modified to provide for a capacity of around 40,000 tins annually. "Actual tonnage produced," it was added, "will depend upon the amount which farmers will use in the educational programs for which it will be distributed."

Production Slated for Fiscal 1955

Production at the outset of fiscal 1955, the agency explained, will be somewhat under 5,000 tons for all program uses. "Under conditions which can now be foreseen," TVA stated, "about 20,000 tons will be produced in fiscal year 1956 for basic agronomic research, farm test-demonstrations, and educational sales. This compares with a potential market for commercial production of several hundred thousand tons annually."

The agency said it will distribute diammonium phosphate in any state with which it now has a cooperative educational program, provided the material is suitable for use in that area and can be economically supplied by a potential commercial producer. TVA said its current plans call for about five years' production of diammonium phosphate by a process which involves the use of either electric-furnace or wet-process phosphoric acid. How long it will continue to turn out the material, the agency said, will depend "upon results obtained on the farms and upon how quickly industry makes efficient use of this process."

TVA Explains Pricing Policy

Explaining the pricing policy, it was reported, "TVA prices for diammonium phosphate will be related to estimated costs at which the product could be made by efficient commercial producers operating under favorable conditions, including plant location and availability of economical sources of raw materials. TVA prices will be close to those which might be charged for the product of such commercial producers, with only such price reduction from this base as is necessary to encourage distributors and farmers, who

—Continued on page 70

Fertilizer Output, Use Is Spurred in Portugal

Programs to increase the production of fertilizer and encourage greater use in Portugal are being actively pushed by the government there, the Department of Commerce has indicated. Supplies of superphosphate are adequate, but Portugal must depend upon imports for part of its consumption of nitrogenous fertilizers.

The nitrogen production program is an important feature of the government's six-year development plan, now in its third year. This program is being promoted by expanding loans to the three manufacturers in the country, equalizing import and domestic prices by a system of fertilizer price subsidies, assuring that imports will be licensed only to supplement domestic output, and encouraging power companies to deliver electricity to nitrogen plants at minimum rates.

Price Subsidies to Farmers

The schedule of price subsidies paid to farmers for the different types of nitrogenous fertilizers in the last half of 1954 did not vary sufficiently to encourage greater use of one type over another. Prices to farmers for nitrates, all of which are imported, were, however, slightly lower than prices for ammonium sulfate and calcium cyanamide. Agriculturalists believe it desirable to increase usage of nitrates in Portugal, but authorities will not establish undue price incentives while the material must be imported. Construction of a nitrate plant in Portugal is planned.

Besides the Portuguese government's policy of subsidizing to encourage the use of more and better fertilizers, two demonstration programs were under way in 1954. One was a wheat and forage program sponsored jointly by the US. Operations Mission and Portuguese Ministry of Economy, and the other a joint Foreign Operations Administration-Portuguese project for the distribution of 14,000 tons of crushed limestone and the establishment of several experimental fields. Both programs are reported to have been unusually successful, and apparently the trend toward smaller yields that had prevailed in Portuguese agriculture since the middle thirties has finally been reversed.

Nitrogen Production Near Capacity

Although 1954 production statistics are not yet available, indications are that all three nitrogen plants operated near capacity throughout the year for the first time. Power consumption by these plants was reported to have been 68 percent greater than in 1953. Production of superphosphates, however, was probably down slightly.

Alumina Catalyst Is Offered Commercially by Cyanamid

American Cyanamid Company, New York, has reported that it is ready to supply commercially a new high-alumina catalyst which has proven, in extensive evaluation tests, its ability to produce more gasoline and other petroleum end-products per pound of catalyst used than has hitherto been possible.

The disclosure was made in a technical paper presented by a Cyanamid specialist in catalyst research and development to members of the forty-third annual meeting of the Western Petroleum Refiners Association in San Antonio, Tex., last week.

The new catalyst was described as containing 25 percent alumina by weight, as compared with the 13 percent-by-weight alumina content normally used in synthetic cracking catalysts of this type. It has been subjected to both commercial and pilot plant evaluation since 1952 at the Houston, Tex., refinery of Shell Oil Company. In addition to greater efficiency as a catalyst, use of the new product resulted in lower stack losses in the refinery, the evaluation report stated.

Mallinckrodt Chemical Works Files Registration With SEC

Mallinckrodt Chemical Works, St. Louis, Mo., has filed a registration statement with the Securities and Exchange Commission seeking registration of 40,000 shares of cumulative preferred stock, series C ($50 par) convertible, to be offered for public sale.

Net proceeds will be usesd in part (estimated at approximately $1,000,000) for the construction of a plant required to extract the columbium-tantalum and uranium values from euxenite concentrates by a process developed in the company's research laboratories, and in part (estimated at approximately $500,000) for working capital required for this operation. Any of the proceeds not so used will be used for the construction or modernization of other plant facilities.

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Association Meetings

This Week

American Chemical Society, national meeting, Netherland Plaza hotel, Cincinnati, Ohio, March 29-April 7.

Air Pollution Control Association, annual meeting, Detroit, Mich., May 22-26.

American Drug Manufacturers Association, annual meeting, Boca Raton Club, Boca Raton, Fla., April 13-15.

American Institute of Chemical Engineers, Shamrock hotel, Houston, Tex., May 1-4; annual meeting, Statler hotel, Detroit, Mich., November 27-30.

American Oil Chemists' Society, annual meeting, Roosevelt hotel, New Orleans, La., April 18-20.

American Pharmaceutical Association, annual convention, Miami Beach, Fla., May 1-6.

American Pharmaceutical Manufacturers Association annual convention, Greenbrier hotel, White Sulphur Springs, W. Va., June 6-8, mid-year meeting, Waldorf-Astoria hotel, New York, December 12-14.

American Society for Testing Materials, annual meeting, Chalfonte-Haddon Hall, Atlantic City, N. J., June 26-July 1.

American Water Works Association, annual conference, Chicago, June 12-17.

American Zinc Institute, annual meeting, Drake hotel, Chicago, April 28-29.

Armed Forces Chemical Association, annual meeting, Cleveland hotel, Cleveland, Ohio, June 16-17.

Association of Consulting Chemists and Chemical Engineers, symposium, Belmont Plaza hotel, New York, April 26; forum and annual meeting, Belmont Plaza hotel, New York, October 25.

British Plastics Exhibition, Olympic Stadium, London, June 1-11.

Chemical Institute of Canada, annual conference and exhibition, Quebec City, Quebec, May 30-June 1.

Chemical Market Research Association, annual meeting, Plaza hotel, New York, May 18-19; Cavalier hotel, Virginia Beach, Va., September 22-23; joint meeting with CCDA, Carter hotel, Cleveland, Ohio, November 14-15.

Chemical Progress Week, May 16-21.

Chemical Specialties Manufacturers Association, mid-year meeting, Drake hotel, Chicago, May 15-17.

Chlorine Institute, spring meeting and golf tournament, Seaview Country Club, Absecon, N. J., April 26-27.

Combined Pharmaceutical Contact Committee of ADMA and APMA, Sheraton-Park hotel, Washington, D. C., October 10-11.

Commercial Chemical Development Association, joint meeting with CMRA, Carter hotel, Cleveland, Ohio, November 14-15.

Drug, Chemical and Allied Trades section of the New York board of Trade, Pocono Inn, Pocono Manor, Pa., September 22-24.

Electrochemical Society, Sheraton-Gibson hotel, Cincinnati, Ohio, May 1-5.

Federal Wholesale Druggists Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., September 11-14.

Federation of Paint and Varnish Production Clubs, annual meeting, Statler hotel, New York, October 3-5.

Flavoring Extract Manufacturers Association, annual meeting, Edgewater Beach hotel, Chicago, May 22-25.

Forest Products Research Society, national meeting, Olympic hotel, Seattle, Wash., June 20-23.

Liquefied Petroleum Gas Association, annual meeting, Conrad Hilton hotel, Chicago, May 1-4.

Manufacturing Chemists Association, annual outing in conjunction with SOCMA, Greenbrier hotel, White Sulphur Springs, W. Va., June 9-11.

Metal Powder Association, national meeting and show, Bellevue-Stratford hotel, Philadelphia, May 10-12.

National Air Pollution Symposium, Huntington-Sheraton hotel, Pasadena, Calif., April 18-20.

National Association of Retail Druggists, annual convention, Atlantic City, N. J., October 16-20.

National Cottonseed Products Association, annual meeting, Jung hotel, New Orleans, La., May 23-24.

National Paint, Varnish and Lacquer Association, annual convention, Shoreham and Sheraton-Park hotels, Washington, D. C., October 31-November 2.

National Petroleum Association, spring meeting, Cleveland, Ohio, April 13-15; annual meeting, Traymore hotel, Atlantic City, September 14-16.

National Plant Food Institute, Greenbrier hotel, White Sulphur Springs, W. Va., June 12-15.

Packaging Machinery Manufacturers Institute, semi-annual meeting, Palmer House, Chicago, April 16-17; annual meeting, The Homestead, Hot Springs, Va., September 15-18.

Paint Industries' Show, Statler hotel, New York, October 3-5.

Proprietary Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., May 23-25.

Scientific Apparatus Makers Association, annual meeting, Greenbrier hotel, White Sulphur Springs, W. Va., April 24-28.

Society of Cosmetic Chemists, annual meeting, Biltmore hotel, New York, May 13.

Society of the Plastics Industry, annual meeting and conference, cruise on the Queen of Bermuda, May 7-15.

Synthetic Organic Chemical Manufacturers Association, regular monthly luncheon meeting, Commodore hotel, New York, April 13; annual outing in conjunction with MCA, Greenbrier hotel, White Sulphur Springs, W. Va., June 10-11; annual dinner, Commodore hotel, New York, December 1.

Toilet Goods Association, annual meeting, Waldorf-Astoria hotel, New York, May 10-12.

Barrett Vice-President

Edward J. Elliott has been appointed vice-president of the Barrett Division of Allied Chemical & Dye Corporation, New York. Mr. Elliott entered the employ of Allied in 1931, prior to which he was associated with the New York law firm of Cadwalader, Wickersham & Taft.

Aluminum Research Labs Makes Key Appointments

Two new assistant directors of research and three new division chiefs have been appointed at the Aluminum Research Laboratories, New Kensington, Pa., it has been announced by Aluminum Company of America. The new assistant directors are Ernest C. Hartmann and Dr. Philip T. Stroup.

Harry N. Hill has been appointed to succeed Mr. Hartmann as chief of the engineering design division and Dr. Allen S. Russell has been named to replace Dr. Stroup as chief of the process metallurgy division. Dr. Luther M. Foster has become successor to Dr. Russell as chief of the physical chemistry division.

Fatty Acid Output Boost Is Reported for February

Fatty acid production in February totaled 34,035,000 pounds, as compared to 33,718,000 pounds in January, according to figures released by the Association of American Soap and Glycerine Producers. The February production figure was 6.6 percent above the figure for February of last year.

Total disposition in February, 1955, was 35,597,000 pounds, some 800,000 pounds above the January figure and approximately 1,200,000 pounds above the February, 1954, level. Stocks, including work in progress, decreased to a level of 45,200,000 pounds in February of this year, as compared to 46,621,000 pounds in the previous month.

Pollution Unit Elects Faith

Dr. William L. Faith, deputy director and chief engineer of the Air Pollution Foundation since the organization's formation a year ago, has been elected vice-president and chief engineer by the Foundation's board of trustees.

HIF's Board Chairmanship To Sharp & Dohme Head

W. L. Dempsey, president of Sharp & Dohme, Philadelphia, a division of Merck & Co., has been elected chairman of the board of directors of the Health Information Foundation. Mr. Dempsey succeeds John G. Searle, president of G. D. Searle & Co., Chicago, who has headed the board

W. L. Dempsey

of the foundation since its organization in 1949.

George Bugbee was again named president of the organization. Other officers elected included:—Vice-presidents, James Hill, jr., president of Sterling Drug, Inc., New York; Mr. Searle; George F. Smith, president of Johnson & Johnson, New Brunswick, N. J.; George Van Gorder, president of McKesson & Robbins, Inc., New York, and Dr. Ernest H. Volwiler, president of Abbott Laboratories, North Chicago, Ill.; treasurer, S. Barksdale Penick, jr., president of S. B. Penick & Co., New York, and secretary, William A. Feirer, vice-president of E. R. Squibb & Sons, New York, a division of Olin Mathieson Chemical Corporation.

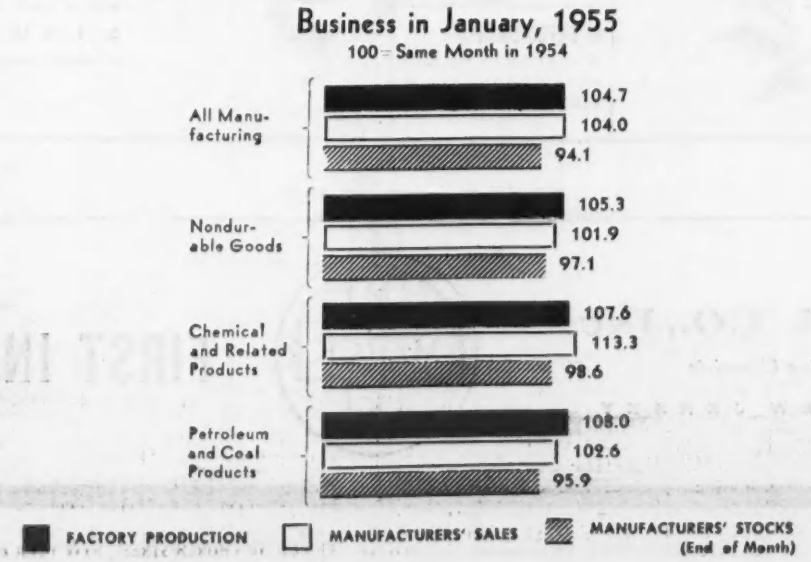
Mr. Searle has received from the association a certificate of appreciation "in recognition of his foresight in fostering the organization of the foundation, for his wise counsels and his unselfish services, cheerfully given."

Givaudan Now Marketing New Synthetic Musk Body

Givaudan-Delawanna, Inc., New York, has announced the synthesis of a new musk body, which will be marketed under the trademark "Versalide." The material is described as a pure chemical of ketonic nature with an intense, sweet odor, and is said to lend sweetness, strength and fixation to a perfume reminiscent of the action of much more expensive macrocyclic musks. According to Givaudan, its stability and price range make it an excellent product for use in soaps and cosmetics.

John P. Diedolf Opens Office

John P. Diedolf, formerly associated with the firm of Diedolf & Rochford, has announced the opening of his own office at 601 West 26th street, New York. Mr. Diedolf will specialize as a broker and agent for the sale of chemicals, spices, seeds, botanicals, and essential oils. His telephone numbers are Oregon 5-6616, 7.



TGA Conclave in May Marks First 20 Years

The Toilet Goods Association will have "Twenty Years of Growth in America" as the theme for its twentieth anniversary convention, to be held May 10 through 12 at the Waldorf-Astoria hotel, New York.

During the morning of the opening day, *Life* and *Fortune* magazines will present reviews of changes in the American scene in the last twenty years. Following this, Dan Rennick, editor of *American Druggist*, will discuss changes in the cosmetic business during the same time.

The *Ladies Home Journal* will present a discussion on the American woman as a consumer and Roy Whittier, former vice-president of Young & Rubicam, will speak on cosmetic advertising and its appeal to the American woman.

Preview of Next Fifteen Years

The second day's program will open with a report on the outlook for the next fifteen years, to be given by Kenneth Cramer, of *Business Week* magazine. Mrs. Jean Rindlaub, of Batten, Barton, Durstine & Osborne, will discuss the place of women during the coming era and Dr. Ernest Dichter will speak on the use of motivation research. He will be followed by Arthur Fatt, of Grey Advertising, who will offer an overall presentation.

The Charles S. Welch memorial packaging awards will be presented at a luncheon session and during the afternoon there will be a business meeting at which reports will be presented on legislation, trade practices and labor relations.

The closing day will be devoted to a luncheon meeting, at which the CIBS awards will be made, and to a meeting of the scientific section. The following papers will be presented at the meeting of the scientific section:—

"Allantoin in Cosmetic Formulations," by S. B. Mecca, chemical director of Schuylkill Chemical Company; "Laboratory Methods for Studying the Penetration of Topical Agents Through Human Skin," by Dr. Peter Flesch, of the department of dermatology of the University of Pennsylvania Hospital; "A Study of the Acid Mantle Factor in Topical Applications," by Dr. Irwin I. Lubowe, of New York University Medical Center.

Evaluation of Sunscreens

Also, "A New Method for Spectrophotometric Evaluation of Sunscreens," by Saul I. Kreps, chief chemist for Van Dyk & Co.; "Mechanism of the Action of Agents Used for the Relief of Dry Skin," by Dr. Irvin H. Blank, of the department of dermatology of Massachusetts General Hospital, Harvard Medical School; "Microbiological and Clinical Evaluation of Anti-Dandruff Agents," by Dr. Herbert J. Spoor; "New Cyclic Musks," by Dr. S. Carpenter, of Givaudan-Delawanna, Inc., and "Cosmetic Emulsions in Polyethylene Containers," by Phyllis J. Carter and W. C. Griffin, of Atlas Powder Company.

DCAT Nominating Panel Post Goes to Stanley Clark

Stanley I. Clark, vice-president of Sterling Drug, Inc., New York, has been appointed chairman of the nominating committee of the Drug, Chemical and Allied Trades Section of the New York Board of Trade.

Other members appointed were Harold C. Green, of Strong Cobb & Co., Charles M. Macauley, of Charles M. Macauley Associates; Lloyd L. Volckening, of Ivers-Lee Company, and C. P. Walker, jr., of van Ameringen-Haebler, Inc. The committee will prepare a slate for the executive committee which will be elected at the section's annual meeting at Pocono Manor September 22 through 24.

Glidden Co. Paint Division Picks Two Key Executives

Glidden Company's paint division, Cleveland, Ohio, has named Andrew J. Duncan manager of international business and George S. Forbes field manager for national industrial sales. Mr. Duncan in his new post will supervise all Glidden activities pertaining to the firm's foreign operations, including exports and the manufacture and distribution of Glidden products overseas. Mr. Forbes, with Thomas N. Armel, general manager of industrial sales, will supervise all phases of Glidden's industrial coating business, including railway, aircraft and marine finishes.

Acetylene Group Names Bode

The International Acetylene Association has announced the election of J. Carl Bode as president. Mr. Bode is president of National Carbide Company, a division of Air Reduction Company, New York.

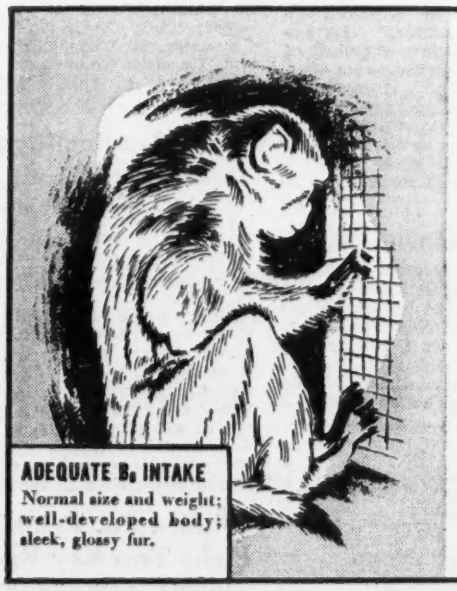
The rediscovery of VITAMIN B_6

Recent studies demonstrate the essential need for

PYRIDOXINE

RECENT CLINICAL INVESTIGATIONS have confirmed the essential role of vitamin B_6 in infant nutrition. Convulsions were observed in young infants whose formulas lacked adequate amounts of vitamin B_6. Other data suggest that supplemental vitamin B_6 intake is desirable to guard against a deficiency that may accompany pregnancy.

A SPECIFIC SEBORRHEIC DERMATITIS is typical of B_6 deficiency and has responded readily to the vitamin. Vitamin B_6 has proved to be highly beneficial also in the treatment and prophylaxis of radiation sickness, with prompt control of nausea and vomiting. Experimental work indicates a distinct relationship between B_6 and arteriosclerosis in the monkey.



ADEQUATE B_6 INTAKE
Normal size and weight; well-developed body; sleek, glossy fur.

B_6 DEFICIENCY
Weight below normal; scrawny body; fur rough and scanty.

STUDIES at the Merck Institute for Therapeutic Research have disclosed striking differences between monkeys fed on a purified diet lacking in vitamin B_6 and those receiving the same diet plus vitamin B_6. While these studies do not necessarily apply to human beings, they nevertheless convey interesting implications about inadequate amounts of vitamin B_6 in the diet. Tremendous professional interest was aroused at leading medical conventions by an exhibit based upon this "living-proof" material. Merck conducts such scientific convention promotion to stimulate professional appreciation of vitamin products.

MERCK & CO., INC.
Manufacturing Chemists
RAHWAY, NEW JERSEY

MERCK

FIRST IN VITAMINS

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Current Market Quotations

Chemicals and Related Materials

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Unless otherwise indicated, listings are first-hand quotations prevailing, according to information and belief, April 1 on large lots, f.o.b. New York, with the lowest in the left-hand column and the highest in the right-hand column. The listings do not represent bid and asked prices nor a range over the week. Differences between high and low may be accounted for by differences in quantity, quality, locality, or individual suppliers' views.

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A

Acacia (see Gum arabic)

Acenaphthene, below 92.5 C., m.p., dms. works lb. 40 - —
above 92.5 C., m.p., bbls., dms., works lb. .41 - .50

Acetaldehyde, 99%, dms., c.l., frt. equald lb. .1250 - .1433
l.c.l. frt equald lb. .1350 - .1535
tanks, frt equald lb. .1050 - .1300

Acetaldol (see Aldol)

Acetanilide, tech., bbls., c.l., dlvd lb. .29 - —
ton lots lb. .30 - —
smaller lots lb. .30½ - —
USP, bbls., 2,000-lb. lots lb. .80 - —
smaller lots lb. .81 - .86

Acetic anhydride, dms., c.l., dlvd E, lb. .15½ - —
l.c.l., dlvd E lb. .17 - —
tanks, dlvd E lb. .14 - —

Acetoacetanilide, fib. dms., c.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .81 - —

Acetoacet-o-chloroanilide, fib., dms., c.l., dlvd lb. 1.35 - —
l.c.l., dlvd lb. 1.36 - —

Acetoacet-o-toluidide, fib. dms., c.l., dlvd lb. .82 - —
l.c.l., dlvd lb. .83 - —

Acetone, CP, dms., c.l., dlvd lb. .09 - —
l.c.l., dlvd lb. .10 - —
tanks, dlvd lb. .07 - —

Methyl (see M)

Acetonitrile, dms., c.l., works lb. .45 - —
l.c.l., works lb .47 - —

Acetophenetidin, USP, bbls., works, frt. equald lb. 1.17 - 1.19

Acetophenone, cns. dms. lb 1.21 - 1.85
tech., dms., l.c.l., works lb. .75 - —

N-Acetyl-p-aminophenol dms., frt. adjusted lb 1.75 - 1.85

Acetyltributyl citrate, tech. dms., c.l., works lb. .33½ - —
l.c.l., works lb. .34½ - .38½
tanks, works lb. .32 - —

Acetyltriethyl citrate, tech., dms., c.l., works lb. .37½ - —
l.c.l., works lb. .38½ - —
tanks, works lb. .36 - —

Acid, abietic, coml., dms., c.l., works lb. .12 - —
l.c.l., ex whse lb. .1490 - —
cryst., dms. c.l. works lb. .06½ - —
l.c.l. works lb 07 - .07½

Acetic, coml., or redist., 28%, bbls 100 lbs. 4.80 - —
56%, bbls 100 lbs 8.25 - —
70%, bbls 100 lbs. 9.95 - —
80% bbls 100 lbs. 10.45 - —

glacial, syn., CP, dms., dlvd 100 lbs. 15.00 - 16.00
tech. dms. c.l., dlvd 100 lbs. 12.00 - —
l.c.l. same basis 100 lbs. 13.00 - —
tanks, dlvd 100 lbs. 10.00 - —

USP, cbys., inclusive, dlvd., 100 lbs. 24.00 - 25.00

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP special bbls., makers, primary distrib., 1,000-lb. lots, point of shipt lb. .63 - —
standard, fine, cryst., gran., (30-40 mesh) powd., (80 mesh) bbls. 1,000-lb. lots. lb. .58 - .60

Freight equald, shipt. identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .37½ - —

Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 - 1.73

p-Aminobenzoic, tech., dms., works lb. 1.74 - 1.77
USP, dms., 1,000-lb. lots or more, works lb. 2.50 - —
smaller lots, works lb. 2.55 - 2.60

p-Aminosalicylic, dms., 1,000-lb. lots or more, frt. adjusted lb. 4.00 - —
smaller lots, same basis lb. 4.05 - 4.50

Anthranilic, bbls., frt. equald lb. 1.21 - —

Arsenous, tech., (see Arsenic, white).

Arsonic, USP (see Arsenic trioxide).

Ascorbic USP dms. 25-50 kilo lots kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
lots 1-kilo lots kilo. 17.00 - —
500-gram lots kilo. 17.50 - —

Battery, cbys., c.l., works, E 100 lbs 2.35 - —
l.c.l., works, E 100 lbs. 2.65 - 3.45

Benzoic, tech., bbls., dms., 100-lb. lots or more lb. .44 - —
USP, bbls., dms., 100-lb. lots or more lb. .54 - —

Betahydroxynaphthoic (see Acid, b-Oxynaphthoic).

Betaoxynaphthoic (see Acid b-Oxynaphthoic).

Boric, tech., 99½%, cryst., bgs., c.l., works ton. 124.25 - —
ton lots, ex whse, N. Y. or Chi ton. 172.00 - —
smaller lots, same basis. ton. 177.00 - —
bbls., c.l., works ton. 148.75 - —
ton lots, ex whse, N. Y. or Chi ton. 196.50 - —
smaller lots, same basis. ton. 201.50 - —
gran., bgs., c.l., works ton. 99.25 - —
ton lots, ex whse, N. Y. or Chi ton. 147.00 - —
smaller lots, same basis. ton. 152.00 - —
bbls., c.l., works ton. 123.75 - —
ton lots, ex whse, N. Y. or Chi ton. 171.50 - —
smaller lots, same basis. ton. 176.50 - —
bulk, c.l., works ton. 94.25 - —

Acid, boric, tech., powd., bgs., c.l., works ton. 104.25 - —
ton lots, ex whse, N. Y. or Chi ton. 152.00 - —
smaller lots, same basis. ton. 157.00 - —
bbls., c.l., works ton. 128.75 - —
ton lots, ex whse, N. Y. or Chi ton. 176.50 - —
smaller lots, same basis. ton. 181.50 - —

Boric acid in kegs $45.50 per ton higher than in paper bgs. USP boric Acid $23 per ton higher.

Broenners, bbls lb. 1.76 - —

Butyric, 99% dms., c.l., works, lb. .34 - —
l.c.l., works lb .34½ - —
tanks, works lb. .32½ - —

Cacodylic, bots lb. 10.50 - 13.00

Camphoric, nat., dms lb. 4.00 - 4.75
syn., dms lb. 4.00 - 4.75

Capric, dms lb. .24 - .26

Caprylic, dms. lb. .24 - .26

Cassella, dms., frt. alld., 100% basis lb. 1.44 - 1.75

Castor oil, split, dms lb. .35½ - .36

Chicago, bbls. frt alld lb 3.21 - —

Chloroacetic, mono-, purif., flake, 99%, dms lb. .23½ - .25½
tech., flake 96-97%, frt. equald, dms lb. .20 - .21

o-Chlorobenzoic, fib. dms., works lb. 1.13 - —

p-Chlorobenzoic, fib dms., works lb. 1.59 - 1.62

Chlorosulfonic, dms., c.l., frt. equald lb. .0405 - —
l.c.l. frt. equald lb. .0515 - —
tanks, frt. equald lb. .0415 - —

Acid, chlorosulfonic, in stainless steel dms. ½c. per lb. higher.

Cholic, 100-lb. lots, fib. dms. lb. 6.00 - 6.25

Chromic 99¾%, dms., c.l., works lb. 27½ - —
l.c.l., works lb. .28 - .29

NF (see Chromium trioxide).

Cinnamic, refd., bots lb. 2.50 - 3.50

Citric, USP, anhyd., gran., fine gran., dms. c.l. lb. .28¾ - —
10,000-lb. lots, 1 shipt. lb. .29¼ - —
smaller lots lb. .29¾ - .31¼

Acid, citric, USP, hydrous, gran., fine gran., dms., c.l lb. .27 - —
10,000-lb. lots, 1 shipt. lb. 27½ - —
smaller lots lb. 28 - 29½

Powdered citric acid ½c. higher

Cleve's, mixed, bbls lb. .79 - —

Coconut oil, dist., dms lb. .25 - .27
tanks lb. .23 - —
dbl. dist., dms lb. .25¾ - .27¼
tanks lb. .23¾ - —

Corn oil, dist., dms lb. .15¾ - .17¾
tanks lb. .1350 - —

Cottonseed oil, dist., dms lb. .1525 - .1725
tanks lb. .1325 - —

2,3-Cresotic, dms., ton lots, works lb. .66 - —
smaller lots lb. 1.82 - 2.00

Cresylic, coaltar, dom., 50% 207 C or above, ret dms. c.l. frt. equald gal. .98 - —
l.c.l., same basis gal. 1.03 - —
non-ret., dms. c.l., same basis gal 1.01 - —
l.c.l. same basis gal. 1.04 - —
tanks, same basis gal. .90 - —

204° to 207° C., ret., dms., c.l., same basis gal. 1.03 - —
l.c.l., same basis gal 1.08 - —
non-ret. dms. c.l. same basis gal. 1.06 - —
l.c.l. same basis gal. 1.09 - —
tanks, same basis gal. .95 - —

Imp. 75% at 215° C. or over, dms. ex whse gal. 75 - 90

petroleum, dom., 195° to 213° C., non-ret. 65 dms. to c.l., works, San Francisco and Los Angeles gal. .71 - —
l.c.l. same basis gal .73 - 75
tanks, works, frt. alld. E. gal. .71 - —

200° C. to 222° C., tanks, Wilmington, Cal gal. .62 - .69

211° C. to 236° C., non-ret. dms., c.l., San Francisco and Los Angeles gal. .63 - —
l.c.l., same basis gal. .65 - .67
tanks, same basis gal. .50 - —

220° C. to 242° C., tanks, Wilmington, Cal gal. .54 - .59

245° C. to 298° C., tanks, Wilmington, Cal gal. .50 - —

Crotonic, fib. dms., 200 lbs. or more, works lb. .50 - —

Cyanoacetic, tech., bbls lb. .90 - 1.25

Dehydrocholic, injection, fib. dms 100-lb. lots lb. 12.25 - —

oral, fib. dms., 100-lb. lots lb. 9.25 - —

Acid, desoxycholic, fib. dms., 100-lb. lots lb. 14.00 - —

Dichlorophenoxyacetic (see under D 2,4 D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs. works lb. .14 - —

2-ethyl hexoic, dms., c.l., works lb. .36½ - —
l.c.l., works lb. .37½ - —
tanks, works lb. .34½ - —

F, crude, paste, bbls., works lb 2.10 - —

Folic, bots, fib ens kilo-lots or more gram. 1.40 - —

Formic, 85%, cbys., c.l., works lb. .1570 - —
l.c.l., works lb. .1620 - .1720
90%, cbys., c.l., works lb. .1625 - —
l.c.l. works lb. .1675 - .1775

Fumaric, tech., bgs., dms lb. .27 - .28

Gallic, NF, vtl, bbls. 1,000-lb lots lb. 1.80 - —
smaller lots lb. 1.82 - 2.00
tech., bbls., 1,000-lb. lots lb. 1.58 - —
smaller lots lb 1.69 - 1.78

Gamma, dry, grd., bbls., frt. alld. lb. 1.50 - —
paste, bbls frt alld lb 1.45 - —

Gentisic, 100-lb fib. dms lb 8.50 - —

Gluconic, tech., 50% bots lb. .25 - .35
cbys lb. .19 - —
dms. lb. .15½ - —

l-Glutamic, 99½% fib. dms., 100-lb lots, works lb 2.45 - 2.53
25-lb lots, works lb 2.54 - 2.60

Glycerophosphoric, 35%, dms., works lb. 2.25 - 2.35

Glycolic (see Acid hydroxyacetic).

H, dry, bbls., c.l., works, 100% basis lb. 1.00 - —
l.c.l., same basis lb. 1.02 - —

Hydriodic, 1.50 s.g., cbys lb 2.94 - —
1.70 s.g., cbys lb 3.23 - —

Hydrobromic, medicinal, 48%, cbys carb. E lb .37 - .43

Hydrochloric, anhyd. (see Hydrogen chloride)

18° cbys., c.l., works 100 lbs 2.50 - —
l.c.l., dlvd Metropolitan area 100 lbs. 2.90 - 3.05
tanks, works, frt equald ton 28.00 - —
20°, cbys., c.l., works 100 lbs. 2.75 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.15 - 4.00
tanks, works, frt equald ton 30.00 - —
22°, cbys., c.l., works 100 lbs. 3.25 - —
l.c.l., dlvd Metropolitan area 100 lbs. 3.65 - 4.50
tanks, works, frt equald ton 35.00 - —
CP, USP, consumers, cbys., extra c.l. works lb. .11¾ - —
l.c.l. same basis lb 13¼ - 13¾
5-pint bots., extra, cs., c.l., same basis lb 16¾ - —
l.c.l., same basis lb. .18¼ - .19¼

Acid, hydrochloric, CP, USP, prices to dealers 1 2c per lb. less.

Hydrocyanic, cyls. frt. alld lb. 75 - 95
dilute, NF, 2% 5-lb. bots lb 40 - —

Hydrofluoric, anhyd. (see Hydrogen fluoride).
tanks, works lb. .21 - —
70%, steel dms., works lb. .18½ - .22½

Hydrofluosilicic, basis 35%, dms., works lb. .06 - —

Hydroxyacetic, tech., 70%, non-ret. bbls., Phila., 100% basis lb. .136 - —
tanks, Belle, W. Va., 100% basis lb. .095 - —

Hypophosphorus, purif., 50%, cbys lb 1.30 - 1.32

USP, cbys lb. .88 - —

Isonicotinic, 100 lb fib. dms. works lb 5.00 - —

Itaconic, fib. dms., c.l., works lb. .59 - —
l.c.l., works lb. .60 - —

Hydrazide (see Isoniazid).

J, bbls., works, 100% basis lb 2.50 - 2.85

Koch, bbls., frt. alld lb. .64 - .70

L, bbls, works lb. 1.25 - —

Lactic, edible, 50%, bbls., 20 or more lb. .1754 - .20
smaller lots lb. .1854 - .21
80%, bbls., 5 or more lb. .3054 - .364
smaller lots lb. .3104 - .369

USP, 85%, cbys lb. .88 - —

plastic grade, 50%, bbls., 20 or more, works lb. .2173 - —
1 to 19 lb. .2225 - —
80%, bbls., 5 or more lb. .3815 - .3815
tech., 22%, bbls., c.l., works 100 lbs. 6.30 - —
l.c.l., works 100 lbs 6.70 - —
cbys., l.c.l., works 100 lbs. 12.20 - —
44%, bbls., c.l., works 100 lbs. 11.45 - 11.98
l.c.l., works 100 lbs. 11.85 - 12.35

Laurent's, bbls lb. .60 - —

Lauric, dms. lb. .36¼ - .38¼

Linseed oil, dist., dms lb. .1815 - —
w.w., dms lb. .2115 - —

Maleic, cryst., powd., dms lb. .37 - .38

Malic, tech., dms lb. .70 - —

Mandelic, NF, dms., 1,000-lb. lots. lb. 2.35 - —
smaller lots lb. 2.40 - 2.50

Metanilic, dms., works lb. .57 - .73

Methacrylic, glacial, 98%, dms., truckloads, works lb. .54½ - —
smaller lots, works lb. .55 - —

Molybdic, 85-92%, dms., works lb. 1.32 - —

Monochloroacetic, purif. (see Acid, Chloroacetic mono-)

Muriatic (see Acid, hydrochloric).

Myristic, dms lb. .28 - 29¾

Naphthenic, 220-230 acidity, dms., works lb. .13¼ - —
tanks, works lb 11¼ - —

Naphthol (1)-4-sulfonic (see Acid Neville and Winthers).

Naphthol (1)-5-sulfonic (see Acid, L).

Naphthol (1)-5-sulfonic,3-amino (see Acid, S).

Naphthol (1)-3,6-disulfonic,8-amino (see Acid H).

Naphthol (2)-6,8-disulfonic (see Acid, Gamma)

(5)-7-Sulfonic,2-amino (see Acid, J).

Naphtholsulfonic, mixed (see Acid, Cleve's, mixed).

Naphthylamine (1)-5-sulfonic (see Acid, Laurent's)

(2)-6-sulfonic (see Acid, Broenner's).

(2)-7-sulfonic (see Acid, F).

(2)-1-sulfonic (see Acid, Tobias).

Acacia—Acid, Naphthylamine, (2)-1-Sulfonic

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	NNR	New and Nonofficial Remedies
amorph.	amorphous	djns.	demijohns	No.	number
AMP	American melting point	dlvd.	delivered	nom.	nominal
anhyd.	anhydrous	dms.	drums	o-	ortho
a.p.a.	available phosphoric acid	dom.	domestic	ord.	ordinary
approx.	approximately	E.	east	oz.	ounce
artif.	artificial	e.p.	end point	p-	para
ASTM	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
Atl.	Atlantic	exp.	expressed	pf.	proof
Be.	Baume	F	fahrenheit	phos.	phosphate
bbls.	barrels	ferment.	fermentation	photo.	photographic
bgs.	bags	f.f.a.	free fatty acid	pkgs.	packages
bls.	bales	f.f.c.	free from chlorine	powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	f.p.a.	free of prussic acid	pt.	point
b.r.	boiling range	frt.	freight	pulv.	pulverized
bxs.	boxes	gal.	gallon	purif.	purified
C.	centigrade	gran.	granular	redist.	redistilled
cbys.	carboys	grd.	ground	refd.	refined
CD	completely denatured	i.&a.	iron and aluminum	refy.	refinery
c.i.f.	cost, insurance, freight	i.b.p.	initial boiling point	reg.	regular
cks.	casks	imp.	imported	resub.	resublimed
c.l.	carlots	incl.	included	ret.	returnable
cns.	cans	indust.	industrial	SD	specially denatured
coml.	commercial	kgs.	kegs	s.d.	single distilled
conc.	concentrated	l-	laevo	S. E.	southeast
CP	chemically pure	lacq.	lacquer	sec.	secondary
cps.	centipoises	lb.	pound	secs.	seconds
cryst.	crystal	l.c.l.	less than carlots	s.g.	specific gravity
cs.	cases	l.t.l.	less truckload	ship't	shipment
ctns.	cartons	liq.	liquid	soln.	solution
cyls.	cylinders	mfrs.	manufacturers	s.u.	standard unit
d-	dextro	m-	meta	syn.	synthetic
dbl.	double	m.a.p.	mixed aniline point	tanks.	railroad tankcars
denat.	denatured	min.	minimum	tech.	technical
dest-dist.	destructive-distilled	m.p.	melting point	tert-	tertiary
dl-	dextro-laevo	N-	nitrogen	t.l.	truck loads
dist.	distilled	n-	normal	t.w.	tank wagons
		nat.	natural	USP	U. S. Pharmacopoeia
		neut.	neutral	vis.	viscosity
		NF	National Formulary	VM&P	varnish makers & painters
				W.	west
				whse.	warehouse
				w. w.	water-white

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material.

Acid, Nevile & Winther's—Alcohol, Diacetone

Acid, Nevile and Winther's, dms., frt. alld lb. 1.20 - —
Nicotinic, USP, dms., frt. adjusted kilo 8.00 - 8.30
Amide, USP. (see Nicotinamide).
Nitric 36° Be chys., c.l., works, E. 100 lbs. 5.75 - —
l.c.l., works, E ....100 lbs. 6.05 - 6.85
38° Be chys., c.l., works E. 100 lbs. 6.25 - —
l.c.l., works, E ....100 lbs. 6.55 - 7.35
40° Be, chys., c.l., works, E. 100 lbs. 6.75 - —
l.c.l., works, E ....100 lbs. 7.05 - 7.85
42° Be chys. c.l., works E. 100 lbs. 7.25 - —
l.c.l., works, E ....100 lbs. 7.55 - 8.35
58.5 to 68% HNO, tanks, works. 100% basis 100 lbs. 3.90 - —
94½ to 95½% HNO, tanks, works, 100% basis 100 lbs. 4.90 - —
CP NF, consumers, chys., extra c.l., works lb. .13½- —
l.c.l., same basis ... lb. .15 - .15½
5 pint bottles extra, cs., c.l., same basis lb. .17½- —
l.c.l., same basis lb. .19 - .25
p-Nitrobenzoic, dms., c.l., works.lb. .72 - —
l.c.l., works lb. .73 - —
Oleic, s.d., dms ....lb. .17½- .19½
tanks ....lb. .15½- —
dbl. dist. (white), dms ....lb. .20 - .22
tanks ....lb. .1800- —
Oleum (see Acid, sulfuric, fuming).
Orthochlorobenzoic (see Acid, o-Chlorobenzoic).
Orthocresotinic (see Acid, 2,3-Cresotic).
Oxalic, bbls., c.l., works ....lb. .16½- —
10,000-lb. lots, works ....lb. .16¾- —
smaller lots, works ....lb. .17¼- —

Acid, b-oxynaphthoic, bbls., works. lb. 1.14 - —
Palm oil, dbl., dist., dms ....lb. .14¼- .16¼
Para-aminobenzoic (see Acid, p-Aminobenzoic)
Para-aminosalicylic (see Acid, p-Aminosalicylic).
Parachlorobenzoic (see Acid, p-Chlorobenzoic)
Paramethylphenylcinchonic (see Neocinchophen)
Paranitrobenzoic (see Acid, p-Nitrobenzoic)
Paratoluidinmetasulfonic (see Acid, p-Toluidine m-sulfonic)
Phenylacetic, pure, cryst. cns. lb 75 - 1.70
Phenylcinchoninic (see Cinchophen).
Phenylglycolic (see Acid, mandelic).
Phosphoric, food grade, 75%, chys., c.l., frt. alld E 100 lbs. 6.50 - —
l.c.l., works ....100 lbs. 7.25 - —
tanks, works ....100 lbs. 5.10 - —
NF, 85%, chys., c.l., works lb. .08 - —
l.c.l., works ....lb. .08½- —
Picric, NF, bbls. ....lb. .60 - —
tech., bbls. ....lb. .34 - .35
Propionic, syn., pure, dms., c.l., works lb. .21 - —
l.c.l., works lb. .22 - —
tanks, works lb. .19 - —
Pyrogallic, NF, (see Pyrogallol).
tech., bbls ....lb. 2.76 - 2.99
Ricinoleic (see Acid, castor oil, split).
S., bbls., works ....lb. 3.25 - —
Salicylic, crude, fib. dms ....lb. .37 - —
sublimed, tech., fib. dms., c.l. lb. .39 - —
l.c.l. lb. .46 - —
dyestuffs grade, fib. dms lb. .41 - —
USP, cryst., fib. dms ....lb. .48 - —
powd., fib. dms ....lb. .53 - —
Sebacic, purif., dms., c.l., works. lb. .64 - —
l.c.l., works ....lb. .66 - .70

Acid, soybean oil, dbl. dist., dms ..lb. .18 - .20
tanks ....lb. .1600- —
s.d., dms ....lb. .16½- .18½
tanks ....lb. .14½- —
Stearic, dbl. pressed, bgs ....lb. .14¼- .16¼
single pressed, bgs ....lb. .13¾- .15¾
triple pressed, bgs. ....lb. .16½- .18½
Succinic, purif., cryst., bbls., works lb. .62 - .75
Sulfanilic, tech., dms., c.l., frt. alld lb. .19 - —
l.c.l., frt. alld ....lb. .21 - —
Sulfuric, 60° Be, chys., c.l., works..100 lbs. 2.00 - —
l.c.l., works ....100 lbs. 2.45 - —
tanks, works ....ton.18.60 - —
66° Be, chys., c.l., works. 100 lbs. 2.25 - —
l.c.l., works ....100 lbs. 2.55 - 3.35
tanks, works ....ton.22.35 - —
98%, tanks, works ....ton.23.50 - —
99-100%, tanks, works ....ton.23.95 - —
CP, NF, consumers chys. extra, c.l., works, frt. equald lb. .09¾- —
l.c.l., same basis .. lb. .11¼- .11¾
5 pt. bots., extra cs., c.l., works, frt. alld lb. .13¼- —
l.c.l., same basis lb. .14¾- .20¾
oleum, 20%, tanks, works ton.25.00 - —
40%, tanks, works ....ton.29.00 - —
65%, tanks, works ....ton.39.50 - —
Tallow, dist., dms ....lb. .14¼- .16¼
hydrogenated, bgs ....lb. .13¼- .15¼
Tannic, NF, fluffy, bbls., 1,000-lb. lots lb. 1.80 - —
smaller lots ....lb. 1.81 - 1.85
powd., bbls., 1,000-lb. lots ..lb. 1.70 - —
smaller lots ....lb. 1.71 - 1.76
tech., dms ....lb. .95 - —

Acid, tartaric, USP, dom., 230 or 250-lb. dms., c.l. ....lb. .44 - —
10,000-lb. lots, 1 shipt lb. .44½- —
smaller lots ....lb. .45 - —
100-lb. dms ....lb. .46 - —
small dms. ....lb. .48 - .54
imp., bgs ....lb. .38 Nom.
Thioglycolic, refd., chys., 100% basis lb. 1.35 - 1.55
Tobias, bbls., frt. alld ....lb. .77 - —
Toluenesulfonic, dms., c.l., works, lb. .16 - —
l.c.l., works ....lb. .17½- —
p-Toluene sulfonic, monohydrate, dms., c.l., or t.l. lb. .90 - —
125 lbs. to t.l. ....lb. 1.00 - —
p-Toluidine-m-sulfonic, bbls., works lb. .92 - 1.04
Trichloroacetic, bots. ....lb. 2.50 - 2.50
Trichlorophenoxyacetic (see under 'T' 3,4,5T)
Tungstic, tech., kgs., works....lb 4.25 - —
Undecylenic, dms ....lb 1.40 - —
Aconite root, bls ....lb. .50 - .55
Aconitine, cryst., potent, bots oz.78.00 - 85.00
Acrolein, tech., dms., c.l., works.lb. .47 - —
l.c.l., works ....lb. .47½- —
Acrylonitrile, dms., c.l., works lb. .33 - —
l.c.l., works ....lb. .34 - —
tanks, works ....lb. .21 - —
ACTH, cryst., bulk, 1,000 units/gram. bots gram.15.00 - —
Adeps lanae (see Lanolin).
Adrenocorticotropic hormone (see ACTH).
Agar, USP Kobe No. 1, strip, bls. lb. 3.00 - 3.25
powdered, 30 mesh, fib., dms lb. 3.40 - 3.50
dl-Alanine, dms., works ....lb 8.50 - 11.00
Albumin, blood, dark (see Blood, dried, soluble).
light, dms., l.c.l. ....lb 65 - 90
Egg, edible, flake, bbls ....lb. 1.66 - 1.68
powd., bbls ....lb. 1.70 - 1.72
tech., cryst., bbls ....lb. .70 - .85
Alcohol, allyl, dms., c.l., dlvd ...lb. .32 - —
l.c.l., dlvd ....lb. .33 - —
tanks, dlvd ....lb .30 - —
Amyl, ex fusel oil (see Fusel oil, refd.)
ferment., refd., 128°-132° C., dms., l.c.l., dlvd lb. .43 - —
ACS grade dms., c.l., dlvd lb. .45 - —
ex-pentane, mixed, amyls, dms., c.l., frt. alld lb. .17 - —
l.c.l., frt. alld ....lb. .18 - —
tanks, frt. alld ....lb. .15 - —
primary, dms., c.l., frt. alld. lb. .19¼- —
l.c.l., frt. alld ....lb. .20¼- —
tanks, frt. alld ....lb. .17¼- —
sec-synthetic, dms., c.l., frt. alld., works lb. .18 - —
l.c.l., works ....lb. .19 - —
tanks, works ....lb. .16 - —
tert-synthetic, dms., c.l., frt. alld. E lb. .17 - —
l.c.l., frt. alld. E ....lb. .18 - —
tanks, frt. alld. E ....lb. .15 - —
1-pentanol, (syn. normal), dms., c.l., works lb. .42 - —
l.c.l., works ....lb. .43½- —
tanks, works ....lb. .40 - —
2-pentanol, dms., c.l., works lb. .65 - —
l.c.l., works ....lb. .70 - —
tanks, works ....lb. .60 - —
Benzyl, NF, dms ....lb. .64 - .79
tech., dms., dlvd ....lb. .47½- .49
n-Butyl, ferment., dms., l.c., frt. alld lb. .15 - —
l.c.l., frt. alld ....lb. .16 - —
tanks, frt. alld ....lb. .13 - —
n-synthetic, dms., c.l., dlvd. lb. .15 - —
l.c.l., dlvd ....lb. .16 - —
tanks, dlvd ....lb. .13 - —
sec-synthetic, dms., c.l., dlvd. lb. .13 - —
l.c.l., dlvd ....lb. .14 - —
tanks, dlvd ....lb. .11 - —
tert-synthetic, dms., c.l., frt. alld. lb. .14 - —
l.c.l., frt. alld ....lb. .15 - —
tanks, works ....lb. .12 - —
Capryl, 85%, dms., c.l., works.lb. .18 - —
l.c.l. works ....lb. .18½- —
tanks, works ....lb. .16½- —
95%, dms., c.l., works ....lb. .19½- —
l.c.l., works ....lb. .20 - —
tanks, works ....lb. .18 - —
Cetyl, extra fld. cns., 500-lb. tots or more lb. .73 - —
smaller lots ....lb. .80 - 1.15
NF, fib. cns., 140-lb. lots or more lb. .58 - .82
smaller lots ....lb. .59 - .82
Cinnamic, bots ....lb 2.15 - 2.75
Decyl, bots ....lb. 1.75 - 2.00
indust. (see 1-Decanol).
Denat., CD12, CD13, CD14, CD17, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis. gal. .59½- .65⅛
tanks, dlvd. same basis, gal. .41½- —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

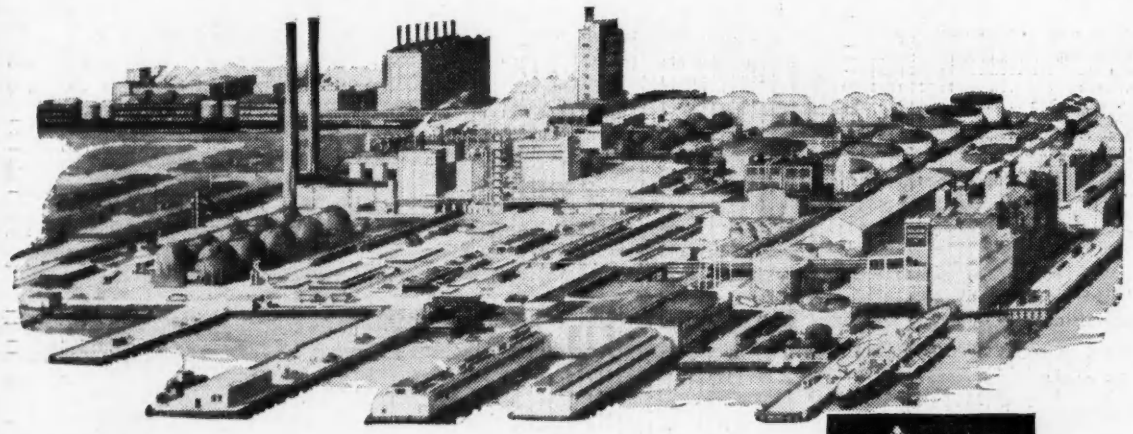
Proprietary solvent, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis .... gal. .61 - .67
tanks, same basis ..... gal. .43 - —

Tankcar sales require written authorization by Alcohol and Tobacco Tax Unit.

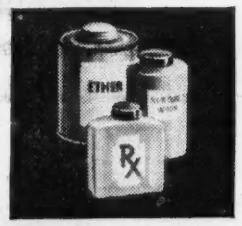
SD1, dms., c.l., dlvd. E. or Rockies gal. .55½- —
l.c.l., same basis ..... gal. .60½- .66⅛
tanks, same basis ..... gal. .42½- —
SD2B, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis ..... gal. .59 - .65
tanks, same basis ..... gal. .41 - —
SD3A, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis ..... gal. .58 - .64
tanks, same basis ..... gal. .40 - —
SD23A, dms., c.l., dlvd. E. of Rockies gal. .55½- —
l.c.l., same basis ..... gal. .60½- .66⅛
tanks, same basis ..... gal. .42½- —
SD23H, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis ..... gal. .61 - .67
tanks, same basis ..... gal. .43 - —
SD29, dms., c.l., dlvd. E. of Rockies gal. .54½- —
l.c.l., same basis ..... gal. .59½- .65⅛
tanks, same basis ..... gal. .41½- —
SD30, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis ..... gal. .58 - .64
tanks, same basis ..... gal. .40 - —
SD35A, dms., c.l., dlvd. E. of Rockies gal. .56 - —
l.c.l., same basis ..... gal. .61 - .67
tanks, same basis ..... gal. .43 - —
SD40, dms., c.l., dlvd. E. of Rockies gal. .54 - —
l.c.l., same basis ..... gal. .59 - .65
tanks, same basis ..... gal. .41 - —

West coast dlvd. prices are the same as eastern prices, except in Idaho, Montana, Oregon and Washington, where a 5c. differential on tankcars is maintained.

Diacetone, acetone-free, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd ....lb. .15 - —
tanks, dlvd ....lb. .12 - —
tech., dms., c.l., dlvd ....lb. .13½- —
l.c.l., dlvd ....lb. .14½- —
tanks, dlvd ....lb. .11½- —

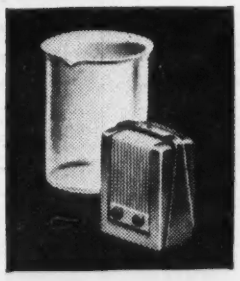


Put This Plant Behind Your Product



Here at Publicker, we maintain that users of our products can no more afford to take chances with quality than we can. Consequently, every drop in every gallon or tank car is exactly according to specifications—always. And Publicker's ultra-modern equipment and vast facilities account for outstanding service to a long list of satisfied customers. May we have the opportunity of meeting *your* requirements?

ETHYL ALCOHOL • BUTYL ALCOHOL, NORMAL
BUTYL ACETATE, NORMAL • ETHYL ACETATE
ACETALDEHYDE • ACETIC ACID GLACIAL
ACETONE C.P. • AMYL ACETATE
FUSEL OIL, REFINED • ISOAMYL ALCOHOL
PACO SOLVENT T.R. 590



PUBLICKER INDUSTRIES Inc.

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NEW YORK & NEW ENGLAND DISTRIBUTOR, PUBLICKER ALCOHOL & CHEMICALS SALES CORPORATION

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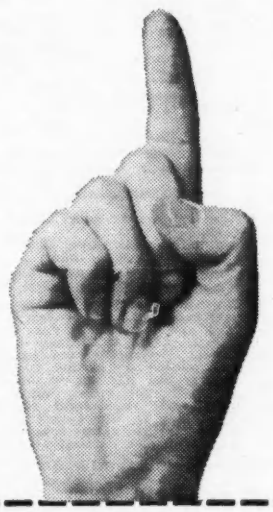
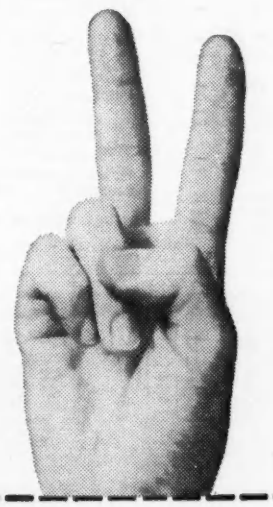
1. AVAILABLE AS CRYSTALLINE TRITURATION—for easy handling, uniform distribution.



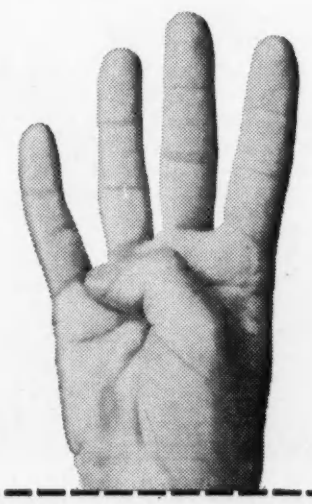
2. STANDARD POTENCY—One gm. of trituration equals 10 mg. of Crystalline Reserpine activity.



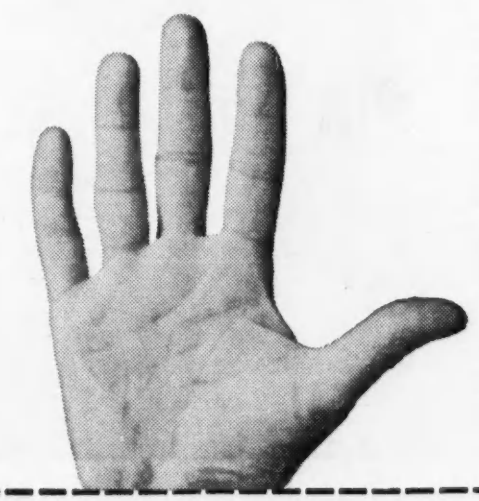
3. DEPENDABLE SUPPLY—Pfizer's long-range program assures your future requirements.

5 reasons why you can count on

4. APPROVED CLINICAL DATA—By using Pfizer Reserpine, you can refer to our clinical and safety data.



5. TECHNICAL SERVICE—You can benefit from our continuing investigation of the pharmaceutical aspects of Reserpine.



PFIZER FOR RESERPINE

Pfizer Crystalline Reserpine is offered as a 1% trituration with U.S.P. lactose, packed in 100 and 500 gm. amber s.c.b. . . . 1 and 5 kilo polyethylene-lined drums. Pure Crystalline Reserpine is also available. Write for Technical Bulletin 81 for assay data and other valuable information.

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Pfizer

CHAS. PFIZER & CO., INC.
Chemical Sales Division
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Alcohol, Ethyl—Ammonium Pentaborate

Alcohol, ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. of Rockies gal. 20.48 - —
l.c.l., same basis gal. 20.53 - 20.59
tanks, same basis gal. 20.35 - —
tax free, dms., c.l., dlvd. E. of Rockies gal. .53 - —
l.c.l., same basis gal. .58 - .64
tanks, same basis gal. .40 - —
absolute, 200 pf., tax paid, dms., c.l., dlvd. E. of Rockies, gal. 21.58 - —
l.c.l., same basis gal. 21.63 - 21.69
tanks, same basis gal. 21.45 - —
2-Ethylbutyl, dms., c.l., works lb. .29½- —
c.l. works lb. .30 - —
tanks, works lb. .28 - —
2-Ethylhexyl, dms., c.l., dlvd. E. lb. .23¾- —
l.c.l., same basis lb. .24¾- —
tanks, same basis lb. .21¾- —
Furfuryl cns., works lb. .29 - —
dms., c.l., Cedar Rapids, Ia lb. .21 - —
Newark, N. J lb. .21½- —
l.c.l Cedar Rapids, Ia lb. .22 - —
Newark, N. J lb. .22½- —
tanks, Memphis, Tenn lb. .184 - —
Isoamyl, dms., c.l., works, frt. alld. E lb. .34 - —
l.c.l., same basis lb. .35 - —
tanks, same basis lb. .32 - —
Isobutyl, dms., c.l., dlvd lb. .14 - —
l.c.l dlvd lb. .15 - —
tanks, dlvd lb. .12 - —
Iso-octyl, dms., c.l., dlvd. E lb. .23 - —
l.c.l. dlvd. E lb. .24 - —
tanks, dlvd. E lb. .21 - —
dlvd gal. .48 - —
Isopropyl, refd., 91%, dms., c.l., l.c.l., dlvd gal. .55 - —
tanks, dlvd. gal. .35 - —
Alcohol, isopropyl, 95%, dms., c.l., dlvd gal. .50 - —
l.c.l., dlvd gal. .57 - —
tanks, dlvd gal. .37 - —
99%, dms., c.l., dlvd gal. .52 - —
l.c.l., dlvd gal. .59 - —
tanks, dlvd gal. .39 - —
Lauryl, bots lb. 2.00 - 2.50
Methyl (see Methanol).
Methylamyl (see Carbinol, methyl-isobutyl).
Octyl, perfumer's grade, bots lb. 1.75 - 3.25
tech. (see Octanol, normal).
2-Phenylethyl, extra, dms lb. 1.14 - 1.45
standard, dms. lb. 1.26 - 1.35
n-Propyl, dms., c.l., dlvd lb. .12 - —
c.l. dlvd lb. .13 - —
tanks, dlvd lb. .10 - —
Tetrahydrofurfuryl, cns., Cedar Rapids, Iowa lb. .54 - —
dms. c.l., Niagara Falls, N. Y. lb. .44½- —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .47 - —
tanks, Niagara Falls, N. Y lb. .43 - —
Indust grade, dms., c.l., Niagara Falls, N. Y lb. .305 - —
l.c.l., Newark, N. J., Cedar Rapids, Ia lb. .33 - —
tanks, Niagara Falls, N. Y. lb. .29 - —
Wood (see Methanol).
Aldol, 95%, dms., works lb. .23 - —
denaturing grade, dms gal. 2.15 - —
Aldrin, tech., fib. dms., c.l., t.l., dlvd lb. .80 - —
l.c.l., dlvd lb. .85 - —
Aletris root, bgs lb. 1.75 - 1.85
Algin (see Sodium alginate).
Allethrin, 90%, dms., frt. alld lb. 28.80 - 36.90
soln., 20%, dms., 200-2,000 lb. lots, frt. alld lb. 6.50 - 6.55
2½%, dms., frt. alld lb. .95 - 1.00
Allspice (see Pimento).
Allyl bromide, cbys., works lb. 1.35 - 1.40
Chloride, dms., c.l., dlvd lb. .17 - —
l.c.l., dlvd lb. .18 - —
tanks, dlvd lb. .15 - —
Starch, solid, dms., works lb. .52¾- .54¾
solution, 40%, toluol-butanol, dms., works lb. .25½- .26¼
Aloe, Cape, cs lb. .40 - —
powd., cs lb. .50 - —
Curacao, kgs lb. .50 - .55
Socotrine, kgs lb. No prices
Aloin, USP, bbls., dms., kgs lb. 3.75 - 3.82
Alphanaphthol (see a-Naphthol).
Alphanaphthylamine (see a-Naphthylamine).
Alphanitronaphthalene (see a-Nitronaphthalene).
Alphapicoline (see a-Picoline).
Alphaterpineol (see a-Terpineol).
Alphatocopherol (see a-Tocopherol).
Alum, ammonium, gran., bgs., works 100 lbs 4.30 - —
lump, dms., works 100 lbs. 5.05 - —
powd. dms., works 100 lbs. 5.20 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms. lb. .07¾- .08
Potassium, gran., bgs., works. 100 lbs. 4.55 - —
lump, dms., works 100 lbs. 5.30 - —
powd., dms., works 100 lbs. 5.45 - —
USP, burnt, dms lb. .20 - .21
hydrous, dms lb. .07¾- .08
Potash-chrome, dms lb. .17 - —
Sodium, dms., c.l., works 100 lbs. 4.60 - —
l.c.l. works 100 lbs. 5.00 - —
Alumina, calcined, bgs., c.l., works. lb. .0385- —
l.c.l. works lb. .0410- .0510
Aluminum acetate, basic soln., 24%, bbls., l.c.l., works lb. .14 - —
Chloride, comi., anhyd., dms., c.l., works, frt. equald lb. .15 - —
l.c.l., works, frt. equald. lb. .1550- —
cryst., dms., c.l., works lb. .1450- —
l.c.l., works lb. .1500- —
soln., 32°, cbys., c.l., works lb. .0445- —
l.c.l., works lb. .0520- .1295
tanks, works 100 lbs. 3.45 - —
NF, gran., dms., works lb. .29 - .31
Fluoride, tech., anhyd., bgs., c.l., works lb. .15¾- —
l.c.l., works lb. .16¾- .18¾
Aluminum fluoride in fib. dms. 0.35c. per lb. higher.
Formate, basic soln., cbys. lb. .09½- —
l.c.l., works lb. .10 - —
Hydrate heavy bgs., c.l., frt. equald lb. .0285- —
2,000-20,000 lb. lots, same basis lb. .041 - —
bulk, same basis lb. .026 - —
ligm ngs dlvd lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15%, Al_2O_3, fib. dms., works lb. .22 - —
contract, works lb. .21 - —
9-9½% Al_2O_3, fib. dms., works lb. .19 - —
contract, works lb. .18 - —
dried, USP, XIV, fib. dms., works lb. .82½- —
contract, works lb. .79½- —
tech., powder (see Aluminum hydrate).
Metal, 99%+, ingots, 10,000-lb. lots, frt. alld lb. .232 - —
pigs, 10,000-lb. lots, frt. alld. lb. .215 - —
Oxide, amorphous (see Alumina, calcined).
Paste, lining, extra-fine, dms lb. .63½- —
standard, 200-lb. dms lb. .43 - —
Powder, lining, extra fine, dms lb. 1.02½- —
standard, 250-lb. dms lb. .72 - —

Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 25-lb. can and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs. and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S. a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 200 lbs. or over.

Resinate, precip., 2.1% Al, dms., frt. alld lb. .30½- —
Stearate, dibasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
monobasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
tribasic, ctns., c.l. lb. .33 - —
l.c.l. lb. .34 - .37
Sulfate, comi., bulk, c.l., works. 100 lbs. 1.85 - —
grd., bgs., c.l., works ton 37.00 - —
lump, bgs., c.l., works ton 40.00 - —
iron-free, bgs., c.l., works, frt. equald 100 lbs. 3.55 - —
l.c.l., works, frt. equald. 100 lbs. 3.95 - —
USP, gran., dms., works lb. .16 - .18
powd., dms., works lb. .22 - .24
Trihydrate, heavy (see Aluminum hydrate, heavy).
Ambergris, gray, bots oz. 8.00 - 10.00
Aminoazotoluene, base, bbls., 100% basis lb. 1.03 - 1.18
o-Aminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Aminoethyl ethanolamine, dms., c.l., dlvd lb. .46½- —
l.c.l., dlvd. lb. .45 - —
tanks, dlvd lb. .45 - —
2-Amino-2-methyl-1-propanol, cns., dms., works lb. .60 - —
m-Aminophenol, dist., dms., ton lots. lb. 2.05 - —
smaller lots lb. 2.50 - —
p-Aminophenol, dms., frt. alld lb. .97 - .98
Aminophylline, USP, 100-lb. dms lb. 3.55 - —
Ammonia, anhyd., fertilizer, tanks, works, frt. equald ton 85.00 - 88.00
pure cyls., extra, zone 1 lb. .18½- —
2 lb. .19 - —
3 lb. .19½- .20
4 lb. .20 - —
5 lb. .21 - —
refrigeration tanks, works, frt. equald. ton 87.50 - 90.50
Aqueous (29.4% NH_3), dms., c.l., dlvd. Metropolitan area 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
tanks, works, anhyd. basis. ton 96.00 - —
Ammoniac, sal, gray, bgs., c.l., works, frt. equald 100 lbs. 8.25 - —
l.c.l., same basis 100 lbs. 8.65 - 11.15
white, gran. (see Ammonium chloride, tech.)
Ammoniacal liquor, tanks, works, anhyd. basis ton 96.00 - —
Ammonium acetate, purif., dms lb. .38 - —
Benzoate, USP, dms., kgs., 4,000-lb. lots, frt. alld lb. .80 - —
smaller lots, frt. alld lb. .81 - 1.08
Biborate, gran., dms., c.l., works. ton 317.00 - —
ton lots, ex whse. ton 390.50 - —
smaller lots, ex whse. ton 395.50 - —
Bicarbonate, dom., dms., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 8.00 - —
imp., dms., l.c.l. lb. .07¼- .08¼
Bichromate, dms., works lb. .42 - .43
Bifluoride, dms., dlvd lb. .2145- .2245
Bromide, NF, gran., bbls lb. .39 - —
dms. lb. .40 - .45
Powdered ammonium bromide 10c. per lb. higher.
Carbonate, USP, lump, dms lb. .16 - —
Chloride, tech., white, fines, gran., bgs., c.l., works 100 lbs. 5.25 - —
l.c.l., works 100 lbs. 7.00 - —
USP, gran., bbls., dms lb. .17¼- —
Citrate, dibasic, bbls lb. .75 - —
dms. lb. .80 - .85
Dichromate (see Ammonium bichromate).
Fluoride (see Ammonium bifluoride).
Hydroxide (see Ammonia, aqueous).
Hypophosphite, NF, dms lb. 3.07 - —
Iodide, NF, dms., bots lb. 4.26 - 4.38
Linoleate, 80%, dms., works lb. .50 - 55
Nitrate, dom., fertilizer grade, 33.5% N., bgs., western, works, frt. equald ton 68.00 - 70.00
with dolomite, 20.5%N, bgs., Hopewell, Va ton 51.00 - —
imp., Canadian, 33.5% N, eastern, bgs., c.l., ship't point, frt. equal to 36 per ton 74.50 - —
western, bgs., c.l., f.o.b. cars, Los Angeles ton 84.89 - —
Oxalate, fine gran., dms lb. .26½- .31
Pentaborate, gran., dms., c.l., works ton 227.00 - —
ton lots, ex whse ton 300.50 - —
smaller lots, ex whse ton 305.50 - —

Ammonium pentaborate powder, $10 per ton higher.

Quality Makes the Difference

Streamline your STEARIC ACID requirements. Where high quality STEARIC ACID is needed, there you will find GROCO 55L—LOW IODINE VALUE TRIPLE PRESSED STEARIC ACID.

For better heat resistance, for lower percentages of unsaturates, for the 55%—45% Palmitic-Stearic ratio, send for a trial sample of GROCO 55L — LOW IODINE VALUE TRIPLE PRESSED STEARIC ACID.

For full information, send for our new catalog, "Fatty Acids In Modern Industry".

DISTILLED STEARIC ACID

	GROCO 55L Triple Pressed
Titre	54.5° — 55.2°C.
Titre	130.1° — 131.4°F.
Color 5¼" Lovibond Red	0.5 max.
Color 5¼" Lovibond Yellow	1.5 max.
Saponification Value	207 — 209
Acid Value	206 — 208
Iodine Value (WIJS)	1 max.

A. GROSS & COMPANY

MANUFACTURERS SINCE 1837

295 MADISON AVENUE, NEW YORK 17, N. Y. • FACTORY: NEWARK, N. J. • DISTRIBUTORS IN PRINCIPAL CITIES

Ammonium perchlorate, kgs., works, lb. .50 - .75
Persulfate, kgs lb. .38 - —
Phosphate, coml., bgs., c.l., works, frt. equald lb. .0865- —
l.c.l., same basis lb .09 - —
dibasic, NF V bots. dms lb. .45 - —
tech., bgs., c.l works, frt. equald lb. .0865- —
l.c.l., same basis lb. .0915- —
Salicylate, NF, dms., kgs lb. 1.62 1.64
Silicofluoride dms works lb. .11 .12
Sulfamate, bbls., bgs., c.l., t.l., works lb. .13 - —
l.c.l., works lb. .22 - —
Sulfate, coke-oven, bulk, producing ovens ton.42.00 -47.50
syn., bgs., c.l., western, works ton.44.00 - —
bulk, works ton.42.00 - —
purif., dms., works lb. .08½- .10
Sulfide, liq., 40-44%, dms., c.l., frt. equald., 100% basis. ton.240.00 - —
l.c.l., works, 100% basis. ton.300.00 - —
tanks frt alld., 100% basis. ton.180.00 - —
Sulfocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate, tech., dms., c.l., works lb. .20 - —
l.c.l., works lb. .22 - .26
Thioglycollate, coml., cbys., 100% basis lb. 1.35 - 1.55
highly purif., cbys., 100% basis. lb. 1.70 1.96
Thiosulfate, cryst., photo grade, fib dms., frt alld lb. .65 —
60% soln., dms., c.l., works lb. .06½- —
d-Amphetamine hydrochloride di-basic, bots lb.28.00 - —
di, dms lb. 6.00 - —
d-monobasic, bots lb.28.00 - —
d-Phosphate, dibasic, bots lb.28.00 - —
di, dms lb. 6.00 - —
d-Sulfate, dms lb. 28.00 - —
di, dms lb. 6.00 - —
Amyl acetate, ex fusel oil, tech., dms., c.l., frt. alld. E. of Rockies lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
ex pentane, reg. dms., c.l., dlvd. lb. .17 - —
l.c.l., same basis lb. .18 - —
tanks, same basis lb. .15 - —
tech., dms., c.l., dlvd. lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
Alcohol (see Alcohol amyl).
n-butyrate, dms. lb. .90 - 1.25
Cinnamic aldehyde, dms lb. 1.70 - 2.00
Nitrite, USP, bots lb. 1.75 - 1.83
Salicylate, cns., dms lb. .74 1.05
o-tert-Amyl phenol, dms., c.l., works, lb. .43¾ - —
l.c.l., works lb. .46¾ - —
tanks, works lb. .41¾ - —
p-tert-Amyl phenol, dms., c.l., works, lb. .24¾ - —
l.c.l., works lb. .25¾ - —
tanks, works lb. .23¾ - —
Anethole, NF, cns., dms lb. 1.85 - —
tech, dms. lb. .90 - 1.10
Angelica root, dom., bls lb. .60 - .70
Aniline oil, dms. c.l. works, frt. alld. lb. .21 - —
l.c.l., works, frt. alld lb. .22 - —
tanks, works, frt. alld lb. .20 - —
Salt, dms., c.l., truckloads, 20,000 lbs., min., frt. alld. lb. .31 - —
l.c.l., same basis lb. .33 - —
Anise, Mexican, bgs. lb. .34 - .35
Spanish, bgs. lb. .37 - .38
Syrian, bgs. lb. No prices.
Anisic aldehyde, bots., dms lb. 1.80 - 2.70
o-Anisidine, dms., works lb. .88 - —
p-Anisidine, dms., works lb. .97 - —
Annatto seed, whole, bgs. lb. .24 - —
powd., dms. lb. .28 - —
Anthracene, 90-95%, bbls., ton-lots, works lb. .70 - —
smaller lots, works lb. .95 - —
Anthraquinone, 99.5%, bbls, c.l., frt. alld lb. .83 - —
l.c.l., same basis lb. .86 - —
electrical grade, bbls., l.c.l., same basis lb. .91 - —
Antimony butter (see Antimony trichloride).
Metal, bulk, c.l., mines lb. .28½- —
cs., c.l., mines lb. .29 - —
Oxide, bgs., c.l., frt. alld lb. .29 - —
l.c.l., frt. alld lb. .30½- —
Sulfide, approx. 60%, bgs., dlvd lb. .27 - .30
Trichloride anhyd., pails, c.l., works lb. .38½- —
l.c.l., works lb. .40½- —
USP, powd., dms lb. .64 - .65
Antimony-potassium tartrate, tech., gran., powd., dms lb. .60½- .63½
USP, powd., dms lb. .65½- —
Antipyrine, NF, dms lb. 2.50 2.70
Apomorphine hydrochloride, USP, bots oz.23.40 -23.90
Areca nuts, powd., bbls lb. .15 - .16
Arecoline hydrobromide, NF, bots. tins oz. 4.50 - 6.00
l-Arginine monohydrochloride, dms., 1-kilo lots kilo.74.80 -83.00
Arnica flowers (true montana), bls. lb. 3.00 Nom.
Arsenic metal, lump, bbls., ex whse. lb. .54 - —
Trioxide, USP, dms lb. .48 - —
White, powd., bbls., c.l., dlvd. lb. .05½- —
l.c.l., dlvd lb. .06½- .07½
Asafetida, cs. lb. .36 - .39
powd., bbls., dms lb. .50 - .53
Asbestine (see Talc, fibrous, N. Y.)
Asbestos, Canadian, crude, No. 1, c.l. (20 tons), mines ton.1,300.00- —
No. 2, c.l. (20 tons), mines ton.675.00 - —
Run-of-mine, c.l., (20 tons), mines ton.556.00 - —
3K, c.l. (20 tons), mines ton.436.00 - —
3R, c.l. (20 tons), mines ton.371.00 - —
3T, c.l. (20 tons), mines ton.348.00 - —
3Z, c.l. (20 tons), mines ton.321.00 - —
4K, c.l. (20 tons), mines ton.173.00 - —
4M, c.l. (20 tons), mines ton.173.00 - —
4T, c.l. (20 tons), mines ton.156.00 - —
4Z, c.l. (20 tons), mines ton.156.00 - —
5D, c.l. (20 tons), mines ton.122.50 - —
5K, c.l. (20 tons), mines ton.122.50 - —
5M, c.l. (20 tons), mines ton.116.50 - —
5R, c.l. (20 tons), mines ton.110.00 - —
6D, c.l. (30 tons), mines ton.78.00 - —
7D, c.l. (30 tons), mines ton.68.50 - —
7F, c.l., (30 tons), mines ton.65.00 - —
7H, c.l. (30 tons), mines ton.55.00 - —
7K, c.l. (30 tons), mines ton.46.00 - —
7M, c.l., (30 tons), mines ton.40.00 - —
7R, c.l. (30 tons), mines ton.39.00 - —
7RF, c.l. (30 tons), mines ton.40.00 - —
7T, c.l. (30 tons), mines ton.37.00 - —
7TF, c.l. (30 tons), mines ton.40.00 - —
8S, c.l., (30 tons), mines ton.27.00 - —
Asbestos c.l. prices are in U. S. funds, l.c.l., lots, $4 per ton higher.
Asphalt, gilsonite, black, jet, bgs., c.l., mines ton.37.00 - —
select, 350° F., fusing pt., bgs., c.l., mines ton.33.00 - —
270°-295°F., fusing pt., bgs., c.l., mines ton.37.00 - —
seconds, 300° - 390°F. fusing pt., bgs., c.l., mines ton.33.00 - —
Manjak, No. 10, crude, dms., works lb. .06¼- —
Asphalt, petroleum, cut-back, tanks, tankwagon, refy. gal. .09 - —
emulsion, tanks, tankwagon, refy gal. .09½- .10
steam-refd., 50-80 penetration, tanks, tankwagon, refy ton.21.00 - —
85-300 penetration, tanks, tankwagon, refy ton.20.00 - —
Aspirin (see Acid, acetylsalicylic).
Atropine, USP, bots oz. 6.25 - 6.75
Sulfate, USP, bots oz. 4.00 - 4.20

B

Bacitracin, bulk, 1,000,000,000 or more units 50,000 units. .70 - —
less than 1,000,000,000 units 50,000 units. .75 - —
Balm of Gilead buds, dried, bgs lb. 1.35 1.45
Barberry root, bark, bags lb. .28 .30
Barbital, USP, 100-lb dms lb 4.50 —
Sodium, USP, dms lb 4.75 4.77
Barium carbonate, precip., bgs., c.l., works ton.92.50 - —
smaller lots, works ton.102.50 - —
Chlorate, kgs., works lb. .32 - .36
Chloride, anhyd., bgs., c.l., works, ton.158.00 - —
l.c.l., works ton.168.00 - —
NF, cryst., dms lb. .18 - —
tech., cryst., dms., c.l., works, 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.50 - —
Chromate, bgs., frt. equald lb. .35 - —
Dioxide (see Barium peroxide).
Hydrate cryst., bgs ton.180.00 190.00
Monoxide (see Oxide)
Nitrate, bbls., c.l., works lb. .12½ —
l.c.l., works lb. .14 —
Oxide, grd., dms., c.l., frt. equald. ton.255.00 - —
l.c.l., works ton.265.00 - —
Peroxide, dms., works lb. .16 - —
Stearate, cons., c.l., frt. and lb. .37 - —
l.c.l. same basis lb. .38 - .43
Sulfate, tech. (see Barytes and Blanc fixe).
X-ray, dms lb. .14½- .21½
Sulfide, dms., c.l., works ton.85.00 - —
l.c.l. works ton.95.00 - —
Barytes, Southern, off-color, bgs., mines ton.25.00 - —
95-75%, bgs., mines ton.25.00 - —
water-grd., paper bgs., c.l., E. St. Louis ton.41.60 - —
ex-whse., N. Y. ton.60.10 - —
Bauxite, bulk, mines ton 9.50 -10.00
Bay leaves (see Laurel leaves).
Belladonna leaf, bls lb. .35 - .37
root, bls lb. .45 - .50
Bentonite, dom., 200 mesh, bgs., c.l., mines ton.14.00 - —
imp. Italian, white, high gel., bgs., 5-ton lots, ex whse ton.80.60 - —
1 ton-lots, ex whse ton.83.10 - —
low gel., bgs., 5-ton lots, ex whse ton.78.95 - —
1-ton lots, ex whse ton.81.45 - —
Benzal chloride, cbys., works lb. .22 - .23½
Benzaldehyde, NF, dms lb. .74 - 1.05
tech., cbys., dms lb. .44 - —
Benzene (see Benzol).
Hexachloride, 25% and 99% gamma isomer (see Lindane).
tech., bgs., dms., c.l., works, gamma unit-lb. .0075- .009
l.c.l., works, gamma unit-lb. .015 - —
Benzene hexachloride, tech., wet dust distributors, dms., c.l., dlvd., gamma unit-lb. .02 - —
l.c.l., dlvd., gamma unit-lb. .021 - —
Benzidine hydrochloride, bbls., frt. alld., 100% basis lb. 1.00 - —
Benzocaine dms lb. 3.48 3.50
Benzol, coaltar, pure or nitration, tanks, works:—
Bethlehem, Pa gal. .36 - —
Birmingham district gal. .36 - —
Chicago district gal. .36 - —
Cleveland district gal. .36 - —
Geneva, Utah gal. .36 - —
Johnstown, Pa. gal. .36 - —
Lackawanna, N. Y. gal. .36 - —
Lone Star, Texas gal. .36 - —
Lorain, Ohio gal. .36 - —
Middletown, Ohio gal. .36 - —
Minnequa, Colo gal. .36 - —
Philadelphia district gal. .36 - —
Pittsburgh district gal. .36 - —
Sparrows Point, Md. gal. .36 - —
Syracuse, N. Y. gal. .36 - —
Terre Haute, Ind. gal. .36 - —
Youngstown, Ohio gal. .36 - —
Benzophenone dms lb. 1.40 1.70
Benzotrichloride, cbys., frt. equald. lb 18 .20
Benzoyl chloride, cbys., dms., c.l., works, frt. equald lb. .22 - —
l.c.l., same basis lb. .23 - —
tank trucks, dlvd. Metropolitan area lb. .21 - —
Peroxide, purif., fib. dms., 50 to 1,000-lb. lots, works lb. .98 1.08
Benzyl acetate, f.f.c., cns. dms lb. .62 1.04
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms. lb. .62 1.10

CHEMICALS OUTLOOK

April, 1955

WYANDOTTE CHEMICALS

IMPROVED FACILITIES FOR MAKING CAUSTIC

This news bulletin about Wyandotte Chemicals services, products, and their applications, is published to help keep you posted. Perhaps you will want to route these and subsequent facts to interested members of your organization. Additional information and trial quantities of Wyandotte products are available upon request . . . may we serve you?

Generally speaking, most buyers look upon caustic soda as a standard, commodity item. However, it's not exactly the same wherever you buy it.

We at Wyandotte are constantly improving our products and our methods of making them. For example, within the past several months we have completed new facilities for the manufacture of our anhydrous grades of caustic soda. These new facilities include equipment for precision control of manufacturing conditions -- thus providing anhydrous grades of Wyandotte Caustic with even better flowability, and other desirable characteristics.

HELPFUL SERVICE FOR BUYERS OF CAUSTIC

But -- in addition to top quality and uniformity in all grades -- there are other factors that are important . . . and enter in when you are considering a source of supply for caustic soda.

One of these factors is service to the buyer.

As you may know, Wyandotte Chemicals is one of the oldest producers of caustic in America (1895). As a result of this long-time experience, many users not only look to us as a supplier of caustic, but also have come to depend upon us for advice pertaining to caustic -- its handling and processing.

For instance, we have designed complete caustic- and chlorine-handling systems for paper and bleach manufacturers. We've laid out storage and handling facilities for caustic in the soap, textile, and chemical-processing industries -- to name a few. We continually assist users in their safety programs. For buyers of liquid caustic, we have made comprehensive individual studies to determine whether savings could be made by changing from 50% to 74% concentrations.

Perhaps we can assist you in similar ways.

FREE 60-PAGE CAUSTIC BOOK

To help you get better acquainted with the Wyandotte Caustic story, we've prepared a 60-page book on the subject. A copy is yours for the writing. Why not write today?

Wyandotte CHEMICALS

WYANDOTTE CHEMICALS CORPORATION
WYANDOTTE, MICHIGAN • OFFICES IN PRINCIPAL CITIES

SODA ASH • CAUSTIC SODA • BICARBONATE OF SODA • CALCIUM CARBONATE • CALCIUM CHLORIDE • CHLORINE • MURIATIC ACID • HYDROGEN • DRY ICE
GLYCOLS • SYNTHETIC DETERGENTS (anionic and nonionic) • CARBOSE ® (Sodium CMC) • ETHYLENE DICHLORIDE • DICHLORODIMETHYLHYDANTOIN
CHLORINATED SOLVENTS • OTHER ORGANIC AND INORGANIC CHEMICALS

Benzyl Chloride—Butyric Ether

Benzyl chloride, tech., 13-gal. cbys., dms., c.l., works, frt. equald lb. .23 - —
l.c.l., same basis lb. .24 - —
tank trucks, same basis lb. .21 - —

A 2½c. differential is quoted on benzyl chloride in 5-gal. cbys. In steel dms. prices were ½c. lower.

Cinnamate, cns. lb. 3.35 - 3.90
Formate, cns lb 1.80 2.10
Isoeugenol, cns. lb. 8.60 - 9.10
Propionate, bots. lb. 1.35 - 1.65
Salicylate, bots. lb. 1.50 - 1.85
Benzylidine acetone, bots lb. 1.68 - 1.80
Chloride (see Benzal chloride).
Berberine bisulfate, cns. lb.35.00 -36.25
Hydrochloride, bots lb.35.00 -36.25
Betagammapicoline (see b.g-Picoline).
Betame(hylnaphthalene (see b-Methylnaphthalene)
Betanaphthol (see b-Naphthol)
Betanaphthylamine (see b-Naphthylamine).
Betaphenyiethylamine (see b-Phenylethylamine)
BHC (see Benzene hexachloride, technical).
Biotin cryst., bots gram 10.00 - —
Biphenyl (see Diphenyl).
Bismuth chloride, jars lb 5.11 - —
Hydroxide, dms. lb 4.65 - —
Metal, bxs., ton lots lb 2.25 - —
Nitrate, cryst., dms. lb. 2.10 - 2.17
Oxide, anhyd., dms lb 4.47 - 5.05
Oxychloride, dms. lb 4.37 - 4.42
Phenolsulfonate, fib. dms lb 5.22 - —
Subcarbonate, USP, dms lb 3.20 - —
Subgallate, NF, fib. dms lb 3.15 - —
Subiodide, fib. dms. lb 5.37 - —
Subnitrate, NF, dms lb 2.65 - —
Subsalicylate, USP, dms lb 3.50 - —
Bismuth-ammonium citrate, USP, powd., jars lb. 4.22 - —
Black, acetylene, bgs., c.l., duty and freight extra lb. .17 - —
cs., l.c.l., ex whse. lb. .22½- .26
Ash (see Barium sulfide).
Bone, dms. l.c.l., frt. alld lb. .17 - .23¼

Pacific coast bone black prices, 2c. per lb. higher

Carbon, channel, pigment, high color, beads ctns., c.l., works. lb. .72 - —
l.c.l., dlvd. or whse. lb. .78 - —
medium color, uncompressed, bgs., c.l., works. lb. .12 - —
l.c.l., dlvd. or whse. lb. .19 - —
rubber, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works lb. .074 - —
l.c.l., works lb. .1225- —
furnace, fast extruding, bgs., c.l., works lb. .06 - —
ctns., l.c.l., whse lb. .10 - —
high abrasion, bulk, c.l., works. lb. .0750- —
bgs., c.l., works lb. .0790- —
l.c.l., dlvd. or whse lb. .122 - .125
high modulus, bgs., c.l., works. lb. .0550- —
ctns., l.c.l., whse lb. .0950- —
semi-reinforcing bgs., c.l., works lb. .045 - —
bgs., cns., l.c.l., whse lb. .085 - —
Charcoal (see C).
Dyes (see Dyes).
Graphite (see G).
Black, iron oxide, pure, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 - —
Lamp, bgs., c.l., works lb. .16 - .45
Mineral, bgs., works lb. .0160- .0675
Blackberry root bark, bls. lb. .45 - —
Black haw root bark, bls. lb. .63 - .65
tree bark, bls lb. .40 - .45
Blanc fixe, dry, byproduct, bgs., c.l., works ton.190.00 - —
l.c.l., works ton.200.00 - —
direct process, bgs., c.l., works. ton.100.00 - —
l.c.l., works ton.110.00 - —
N. Y. whse. ton.140.88 -165.00
Bleaching powder, dms., c.l., works. 100 lbs. 5.02 - —
l.c.l., works 100 lbs. 6.52 - —
Blood, dried, 16-16½% ammonia, bgs. unit-ton. 6.50 - —
high-grade, unground, 16-17% ammonia, bgs., Chicago. unit-ton. 5.50 - —
soluble, bgs., c.l. lb. .14 - 17
l.c.l. lb. .18 - .25
Bloodroot bls. lb. .48 - .50
Blue, alkali, dry, 250-lb. bbls., dlvd. N. or Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. 2.10 - —
toner, 125-lb. bbls., litho flushed, same basis lb. 1.20 - —
Chinese, bbls., same basis lb. .49 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
Imitation (see Blue ultramarine).
Dyes (see Dyes).
Iron (see Blue, Chinese, Milori, Potash, Prussian and Soda).
Blue methyl violet toner, molybdated, PMA, bbls., same basis lb. 2.60 - —
tungstated, PTMA, bbls., same basis lb. 3.85 - —
Milori, bbls., same basis lb. .49 - —
Peacock, fugitive, 100% color strength, bbls., same basis. lb. .75 - —
Phthalacyanine, full strength, bbls., same basis lb. 3.45 - —
resinated, bbls., same basis lb. 3.00 - —
water dispersable, bbls., same basis lb. 1.54 - —
Potash, CP, bbls., same basis lb. .56 - —
Prussian, insoluble, bbls., same basis lb. .49 - —
soluble, bbls., same basis lb. .49 - —
Soda, CP, bronze, bbls., same basis lb. .56 - —
Ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .30½- .35
jobbing types, bbls., same basis. lb. .16½- .18½
reg. types, dry, bbls., same basis. lb. .22½- .35
Victoria toner, molybdated, PMA, bbls lb. 4.10 - —
tungstated, PTMA, bbls lb. 5.00 - —

Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita, frt. equalized with Chicago.

Vitrol (see Copper sulfate).
Bluestone (see Copper sulfate).
Bonemeal, steamed, works E. ton.75.00 - —
Los Angeles ton.82.00 - —
Bone phosphate defluorinated (see D)
of lime (see Calcium phosphate, tribasic).
precipatated (see Calcium phosphate tribasic, NF, precip.).
Borax, tech., anhyd., bgs., c.l., works. ton.78.00 - —
ton lots ex whse. N. Y. or Chicago ton.125.75 - —
bulk, c.l., works ton.70.00 - —
cryst. 99½%, bgs., c.l., works. ton.67.25 - —
ton lots, ex-whse., N. Y. or Chi ton.115.00 - —
smaller lots, same basis. ton.120.00 - —
gran., decahydrate, 99½%, bgs., c.l., works ton.41.25 - —
ton lots, ex whse., N. Y., Chi ton.89.00 - —
smaller lots, same basis. ton.94.00 - —
bulk, c.l., works ton.35.75 - —
pentahydrate, 99½%, bgs., c.l., works ton.55.50 - —
ton lots, ex whse., N.Y., Chi ton.108.25 - —
smaller lots, same basis. ton.103.25 - —
powd., 99½%, bgs. ton.46.25 - —
ton lots, ex-whse., N. Y. or Chi. ton.94.00 - —
smaller lots, same basis. ton.99.00 - —

Borax packed in kgs., $45.50 per ton higher than in paper bgs.; in barrels, $24.50 higher USP borax $15 per ton higher.

Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. pt lb. .18 - .24
l.c.l. same basis lb. .19 - .26
Borneol, cns. lb. 2.50 - 4.50
Borontrifluoride gas, cyls., truckload, works lb. .62 - —
less truckload, works lb. .70 - —
Brazilwood extract (see Hypernic extract)
Brimstone (see Sulfur).
Bromine, purif., cs., c.l., t.l., dlvd. E. of Rockies lb. .31 - —
l.c.l., same basis lb. .33 - .38
ret. dms., c.l., t.l., same basis. lb. .30 - —
l.c.l., same basis lb. .30 - .32
tanks, same basis lb. .21½- —
Bromoform, pharmaceutical grade, bots lb 1.62 - 2.60
cbys. lb. 1.52 - —
Bromstyrol, bots lb. 5.40 - 5.70
Bronze powder aluminum (See A).
Brown, iron oxide, pure, bgs., c.l., works lb. .13¾- —
l.c.l., works lb. .14 - —
Oxide, metallic, bgs, works lb. .04 - —
Sienna, burnt, paper bgs., c.l., works lb. .04¼- .15⅛
l.c.l., works lb. .04½- .15⅛
raw, paper, ogs. c.l. works lb. .04½- .13
l.c.l. works lb. .04¾- .13¼
Umber, burnt, American, bgs., c.l., works lb. .06 - —
l.c.l., works lb. .06¼- .07
Turkey type bgs. c.l. Boston, Bethlehem Easton Pa., Hiwassee, Va., N. Y lb. .06¾- —
l.c.l., works lb. .07 - —
raw, American bgs. works lb. .06¼- .06⅛
Turkey-type, bgs., works lb. .06¾- .07
Vandyke bbls., works lb. .09½- .12
Brucine, cns., 100-oz. lots oz. .20 - .25
Sulfate, NF, cns., 100-oz. lots oz. .15 - .20
Buchu leaves, bls lb. .65 - .70
Butadiene, refd., cyls., refy lb. .22 - —
tanks, refy lb. .15 - —
Butane, indust., tanks, group 3 gal. .02½- —
N. Y. harbor gal. .08 - —
n-Butyl acetate, ferment., dms., c.l., frt. alld lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
syn., dms., c.l., dlvd. E lb. .15 - —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13 - —
sec-Butyl acetate, syn., dms., c.l., dlvd. E lb. .12½- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
n-Butyl alcohol (see Alcohol, n-Butyl).
Aldehyde (see Butyraldehyde).
Chloride, dms., c.l., works lb. .37½- —
t.c.l. works lb. .38 - —
Ether, dms., c.l., works lb. .31½- —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Lactate, dms., c.l., frt. alld. E. of Rockies lb. .35 - —
l.c.l., same basis lb. .36 - —
tanks, same basis lb. .33 - —
Laurate, dms., works lb. .39 - —
Methacrylate, dms., l.c.l., works. lb. .70 - —
Oleate, refd., dms., l.c.l., works lb. .32 - —
Phenylacetate dms lb 4.50 - 4.60
Phthalate (see Dibutyl phthalate).
Stearate, dms. l.c.l., frt. equald lb. .24 - .27
Butylamine (see mono-di- and tri-).
6-tert-Butyl-m-cresol, dms., c.l., works lb. .49 - —
l.c.l., works lb. .50 - —
tanks, works lb. .48 - —
p-tert-Butylphenol, bgs., c.l., works. lb. .25½- —
l.c.l., works lb. .26½- —
Butyraldehyde, dms., c.l., dlvd lb. .21½- —
l.c.l. dlvd lb. .22½- —
tanks, dlvd lb. .19½- —
Butyric ether (see Ethyl butyrate).

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...BUT FEW EVER CHANGE AGAIN

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NEW YORK 1, N. Y.

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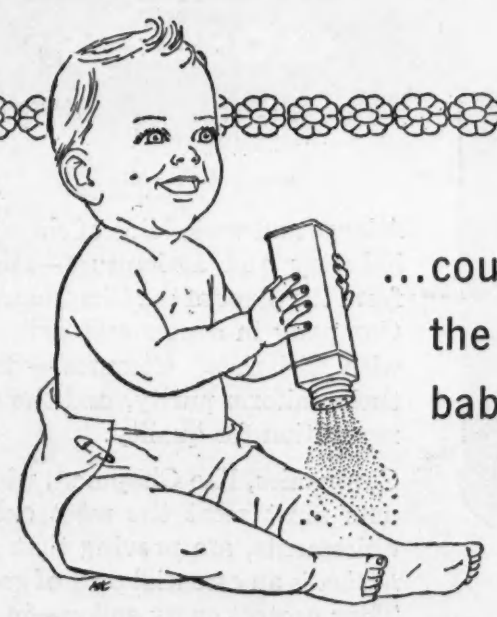
Tri-Sure Products Limited, St. Catharines, Ontario, Canada

Cacao Butter—Chloral Hydrate

C

Cacao butter (see Cocoa butter)
Cadmium iodide, 25-lb. fib. dms lb. 6.75 - 7.05
Metal ingots or sticks, cs., dlvd. lb 1.70 - —
Caffeine, USP, nat., cryst., anhyd., dms., 100-lb. lots or more lb. 3.35 - —
hydrous, dms., 100-lib. lots or more lb. 3.15 - —
syn., cryst., anhyd., dms., 100-lb. lots or more lb. 3.35 - —
hydrous, 100-lb. lots or more. lb. 3.15 - —
citrated, USP, dms., 100-lb. lots or more lb. 2.90 - —
Calamine, USP, dms lb. .34 - —
Calciferol, cryst., vials, 1-kilo lots, works gram. .60 - —
25 to 100 gram lots, works. gram. .65 - —
In edible oil (see Viosterol).
Calcium p-aminosalicylate, fib., dms., 1,000 lb. lots, frt. adjusted lb. 7.00 - —
smaller lots, same basis lb. 7.05 - 7.50
Arsenate, dealers, dms., c.l., whse. works, frt. alld. on 96 lbs. or over lb. .09 - .10
l.c.l., same basis lb. .10 - —
Bromide, NF, jars lb. .90 - .97
Carbide, standard generator size, dms., c.l., dlvd ton 134.40 - —
Carbonate, nat., dry-grd., air floated, 325 mesh, bgs., c.l., works ton. 7.50 -10.00
chalk, whiting, 325 mesh, bgs., works ton.32.00 -34.00
Calcium carbonate, nat., water-grd., ½ to 10 microns, bgs., c.l., works ton.30.00 - —
10 to 20 microns, bgs., c.l., works ton.17.00 -18.00
precip., dense, bgs., c.l., works. ton.30.00 -33.00
l.c.l., works ton.40.00 -48.00
medium, bgs., c.l., works. ton.35.00 - —
l.c.l., works ton.45.00 -50.00
surface treated, bgs., c.l., works ton.35.00 -50.00
l.c.l., works ton.45.00 -65.00
ultrafine, bgs., c.l., works. ton.110.00 -160.00
l.c.l., works ton.120.00 -175.00
Chloride, cryst., purif., dms. lb. .27 - —
flake, 77-80%, paper bgs., c.l., works, frt. equald ton.27.00 - —
liquor, 40%, tanks, frt. equald. ton.11.35 - —
pellets, bgs., c.l., works ton.33.00 - —
powd., bgs., c.l., works ton.37.65 - —
solid, 73-75%, dms., c.l., frt. equald ton.25.50 - —
l.c.l., works, same basis. ton.34.00 -71.00
USP, gran., dms lb. .40 - —
Chromate, bgs., frt. equald lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies lb. .24 - .50
Gluconate, AA, bbls., dms lb. .70 - .72
USP, bbls., dms lb. .83 - .85
Glycerophosphate, NF, fib. dms. lb. 2.30 - 2.45
Hydride, dms., works lb. 2.15 - 3.00
Hypochlorite, high test, cased (45 lbs.), dlvd. E. of Rockies cs.22.60 -24.75
dms., 100-lb. same basis dm.28.65 -32.50
Hypophosphite, dms., ton lots or less lb. .90 - .93
Iodide, jars lb. 4.52 - —
Calcium lactate, USP, dms., 10,000-lb. lots or more, works lb. .40 - —
smaller lots, works lb. .41 - .48
Mandelate, USP, dms., works lb. 2.10 - 2.25
Naphthenate, liq., 4%, Ca, dms., frt. equald lb. .27¼- —
Nitrate, fertilizer grade, bgs., c.l., Los Angeles ton.46.00 - —
tech., dms., works lb. .13 - —
d-Pantothenate, jars, 100-gram lots or more, frt. adjusted. gram .07½- —
Para-aminosalicylate (see Calcium p-Aminosalicylate).
Phenolsulfonate, dms lb. .70 - —
Phosphate dibasic, USP, bgs., c.l., frt. equald 100 lbs. 7.10 - —
l.c.l., frt. equald 100 lbs. 7.60 - 7.95
feed grade, 18½% P, bgs., c.l., t.l., frt. equald ton.79.55 - —
l.c.l., frt. equald ton.88.80 -89.55
20% P, bgs., c.l., t.l., frt. equald ton.84.55 - —
l.c.l., frt. equald ton.96.00 - —
21% P, bgs., c.l., t.l., frt. equald ton.90.30 - —
l.c.l., frt. equald ton.100.30 -100.80
monobasic, bgs., 10,000-lb. lots, frt. equald 100 lbs. 6.05 - —
smaller lots, same basis. 100 lbs. 6.55 - —
tribasic, precip., NF, bgs., c.l., frt. equald. 100 lbs. 7.60 - —
l.c.l., frt. equald 100 lbs. 7.95 - —
Phytate, bgs., works lb. .37 - —
Resinate, precip., dms., frt. alld., works lb. .30½- —
Silicate, hydrated, bgs., c.l., works. lb. .06 - —
l.c.l., works lb. .06½- —
paint grade (see Wollastonite).
Stearate, ctns., c.l. lb. .35 - —
l.c.l. lb. .36 - .40
Sulfate (see Gypsum).
Calomel, USP, powd., dms lb. 3.42 - —
Camphene 46° m.p., dms., incl., c.l., works lb. .128 - —
l.c.l., same basis lb. .143 - —
tanks, same basis lb. .103 - —
Chlorinated 67-69% (see Toxaphene).
Camphor, monobromated, NF, dms., kgs lb. 3.00 - 3.12
nat. USP, powd., cs., 100-lb. lots. lb. .60 - .65
tablets, 1-oz., ½-oz. cs lb. .75 - .80
syn., tech., 1 bbl. or more lb. .52 - —
USP, gran., powd., bbls, 2,000-lb. lots lb. .59 - —
1,000-lb. lots lb. .60 - —
smaller lots lb. .61 - —
tablets, tins, 2,000-lb. lots lb. .90 - —
1,000-lb. lots lb. .91 - —
smaller lots lb. .92 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 2.00 - 2.05
powd., bxs lb. 2.25 - 2.30
Russian, bgs lb. 4.00 - 4.05
powd., bxs lb. 4.35 - 4.40
Capsicum (see Pepper red).
Oleoresin, NF, from domestic pepper, dms lb. 4.50 - 5.25
from African pepper, dms lb. 4.35 - 5.00
Caraway seed, Dutch, bgs. lb. .19 - —
Carbazole 97%, bbls., ton lots, works lb. 1.05 - —
Carbinol, methyl isobutyl (see Methyl isobutyl carbinol).
Carbon dioxide, indust., wholesale, bulk dlvd. metropolitan area. ton.73.00 -115.00
cyls., same basis lb. .08 - —
solid, same basis lb. .035 - .040
Disulfide, 55-gal. dms., c.l., works, frt. alld. to competitive points lb. .07 - —
l.c.l., same basis lb. .08½- .09
5-gal. 30 dms. to c.l. same basis. lb. .13 - —
less than 30 dms lb. .16 - —
tanks, same basis lb. .0515- —
Tetrachloride, CP, dms., l.c.l., frt. alld lb. .10½- .13¼
tech., consumers, dms. c.l. E. Rockies, frt. alld lb. .10 - .10½
W of Rockies, f.o.b., stock-points lb. .10½- .11
l.c.l., E. of Rockies, frt. alld. lb. .11¾- .12¼
W of Rockies, f.o.b. stock-points lb. .12¼- .12¾
tanks, E. of Rockies, frt. alld. lb. .08½- .09
W. of Rockies, f.o.b. stockpoints lb. .09 - .09½
Carboxymethyl cellulose (see CMC).
Carbromal, NF, dms., 100-lb. lots, works lb. 4.00 - 4.25
smaller lots, works lb 4.10 - 4.75
Cardamom fruit, fancy, bold, cs. lb. 3.95 - —
AA, cs. lb. 3.60 - —
decorticated, Alleppey, cs. lb. 1.90 - —
Guatemalan, cs. lb. 2.15 - —
green, Alleppey, bgs. lb. 1.85 - —
Ceylon, bgs. lb. 1.90 - —
seed (see Cardamom fruit decorticated).
Carmine, No. 40, NF, bulk, 100-lb. lots or more, dlvd. lb.14.40 - —
smaller lots, dlvd lb.14.50 -15.20
Carotene, tech., 1,350,000 A units per gram, tins, works gram. .55 - —
in carrot oil, 5,000,000 to 8,000,000 A units per lb., dms., works, million units .18 - —
microcrystalline in oil, 400,000 A units per gram. tins, works million units. .33 - —
Carvol, bots. lb. 4.75 - 9.65
Cascara sagrada bark, bulk lb. .30 - .31
Casein, dom., acid precip., standard, bgs., 10,000-lb. lots or more, shipt. point lb. .27 - .30
premium, bgs., 10,000-lb. lots or more, shipt. point lb. .35 - .40
Casein, imp., Argentine, acid-precip., grd., 100-lb. lots or more, duty paid lb. .22½- .23
Cashewnut shell liquid, treated, dms., c.l., Newark, N. J lb. .22 - —
ton lots, same basis lb. .23 - —
dm. lots, same basis lb. .25 - —
Cassia, Batavia, cuttings, bls. lb. .17 - —
longstick, cracked, bls. lb. .19 - .19½
shortstick, cracked, bls. lb. .18 - —
Saigon, broken, bls lb. No prices.
medium, reconditioned, bls. lb. No prices.
thin, bls lb. No prices.
Castor beans, bgs., c. & f. ton.113.00 - —
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. No stocks.
Castoreum, nat., cns lb. 5.00 -30.00
syn., cns lb. 9.00 - —
Catechol, CP, cryst., fib. dms., works lb 2.17½- —
resub., dms., works lb. 4.29½- —
Catnip leaves, Southern, bls lb. .75 - —
Celery seed, French, bgs., shipt. lb. .43 - .44
Indian, bgs. lb. .14 - .14½
Cellulose scrap (see Pyroxylin scrap).
Cellulose acetate, flake, powd., ctns., bgs., 100-lb. lots or more, dlvd. E lb. .35 - .40
Acetate-butyrate, powd., 17% butyryl content, bgs., dlvd. E. lb. .545 - .555
27% butyryl content, bgs., dlvd. E lb. .595 - .605
38% butyryl content, bgs., dlvd. E lb. .545 - .555
50% butyryl content, bgs., dlvd. E lb. .585 - .595
half-second, bgs., dlvd. E. lb. .545 - .555
Cerium hydrate, 74% CeO_2, fib. dms., 100-lb. lots or more lb. 1.44 - —
77% CeO_2, fib. dms., 100-lb. lots or more lb. 1.74 - —
Oxalate, NF, bbls., bgs., works lb. 1.32 - —
Oxide, optical grade, bgs., 50-lb. lots or more, dlvd. lb. 1.85 - 1.98
smaller lots, dlvd lb. 2.03 - 2.23
Chalk (see Calcium carbonate).
Chamomile flowers, Hungarian style, cs. lb. .85 - —
Roman, cs lb. 1.50 - —
Charcoal, activated, NF, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone (see Black, bone).
Hardwood, briquets, bgs., c.l., works ton.77.00 -88.00
gran., bgs., works ton.77.00 - —
bulk c.l., works ton.70.40 - —
Pinewood, gran., powd., bgs., c.l., works, South ton.55.00 - —
l.c.l., works, South ton.55.00 -65.00
lump bgs., c.l., works, South ton.51.50 - —
l.c.l., works, South ton.54.50 -69.00
bulk, c.l., works, South ton.36.00 - —
Chestnut extract, liq., 25% tannin, bbls., c.l., works lb. .04¾- —
l.c.l., works lb. .0510- —
tanks, works lb. .04 - —
powd., 60% tannin, bgs., extra, c.l., works lb. .1032- —
l.c.l., works lb. .1102- —
Chloral, tech., 94% min., dms., c.l. works lb. .23 - —
l.c.l., works lb. .24 - —
tanks, works lb. .21 - —
Hydrate, USP, 40-lb. jars, 1,000-lb. lots lb. 1.00 - —
500-lb. lots lb. 1.03 - —
100-lb. lots or less lb. 1.05 - —

IN STEARATES, A SPECK OF DIRT THIS BIG •



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Our first consideration in making Metasap® Stearates is always—absolute purity. For Metasap Stearates are used in many things—from baby powders and cosmetics to plastics, greases, and paints—where even a few tiny specks of foreign matter would be too many for the performance and the reputation of your product.

Therefore our reasoning is simple: "If *we* screen out those impurities first, *you* are spared the trouble." At Metasap we follow up with the most thoroughgoing series of fine screens, magnetic traps, and filters to be found in the industry. (We even filter the air.) These in addition of course to rigid quality control and the use of equipment which as nearly as possible rules out the chance of impurities in the first place.

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Harrison, N. J.

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PAINT *makers solve pigment suspension problems with Metasap Stearates, producing primers and sanding sealers that have excellent filling qualities.*

LACQUER AND VARNISH *makers use Metasap Stearates to assure efficient flatting, and to obtain marproof finishes.*

PLASTICS *molders use Metasap Calcium, Zinc, and Barium Stearates to improve internal lubrication, which assures superior preforms, better finished products, and longer mold life.*

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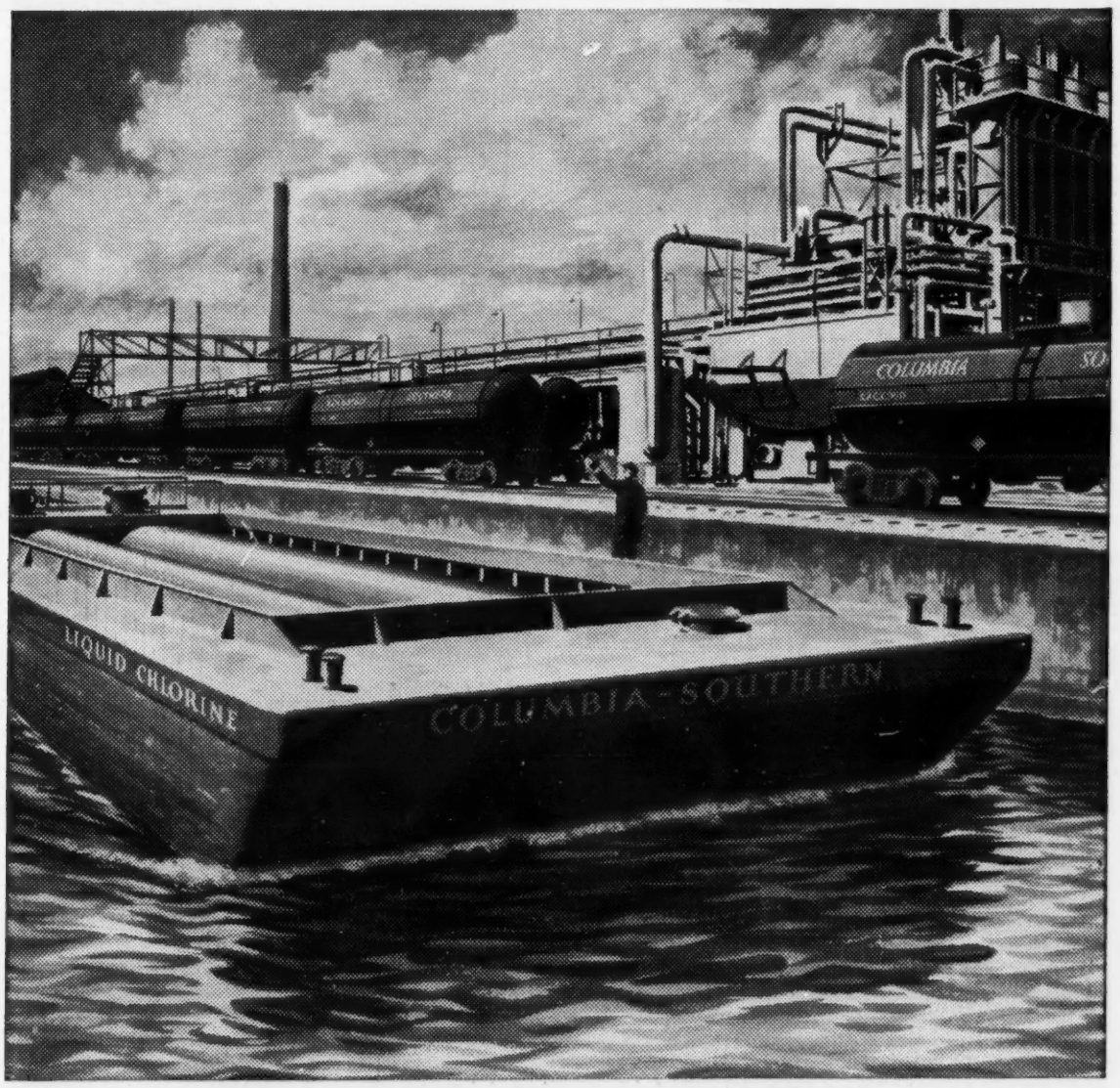
Chlordan, agricultural, dms., c.l., frt alld lb. .83 - —
l.c.l., 5,000 to 10,000 lb. lots, frt alld lb. .86 - —
clarif., dms., c.l., frt. alld lb. .75 - —
l.c.l., 5,000 to 10,000 lb. lots, frt. alld lb. .76 - —
Chloramine T, NF, bbls., works lb. .75 - 1.00
Chlorinated paraffin, 42%, dms., c.l., frt. alld lb. .15½- —
l.c.l., same basis lb. .16½- —
70%, dms., c.l., same basis lb. .18 - —
l.c.l., same basis lb. .19 - —
Rubber, 5, 10, 20 cps., ctns., c.l., works lb. .55 - —
l.c.l., works lb. .56 - —
125, 1,000 cps., ctns., c.l., works lb. .63 - —
l.c.l., works lb. .66 - —
Chlorine, liq., cyls., c.l., works, frt. equald lb. .09½- —
l.c.l., Metropolitan area lb. .11 - .12¼
tanks, single units, works, frt. equald 100 lbs. 2.93 - —
multiple units, 5 cars, works, frt. equald 100 lbs. 3.80 - 3.93
3 cars, same basis 100 lbs. 3.80 - —
2 cars, same basis 100 lbs. 5.00 - —
1 car, same basis 100 lbs. 6.00 - —
4-Chloro-2-aminotoluene, fused, bbls. lb. 1.45 - —
m-Chloroaniline, dms., c.l., frt. equald lb. .75 - —
l.c.l., same basis lb. .80 - —
o-Chloroaniline, dms., c.l., works, frt. equald lb. .70 - —
l.c.l., same basis lb. .72 - —
p-Chloroaniline, dms., c.l., works, frt. equald lb. .73 - —
o-Chlorobenzaldehyde, dms., works. lb. 1.20 - —
p-Chlorobenzaldehyde, dms., works. lb. 1.33 - —
Chloroform, tech., dms., c.l., dlvd. E lb. .18 - —
l.c.l., same basis lb. .19 - —
tanks, same basis lb. .17 - —
USP, dms lb. .30 - —
2-Chloro-4-nitroaniline, paste, 100% basis lb. .81 - —
powd., dlvd. E lb. .86 - —
4-Chloro-2-nitroaniline, powd., dlvd. E lb. .80 - —
o-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
l.c.l., same basis lb. .35½- —
p-Chlorophenol, dms., c.l., frt. equald. lb. .34½- —
l.c.l., same basis lb. .35½- —
Chlorophyll, oil soluble, 4%, not fixed, pails, tins, works lb. 4.25 - —
copper fixed 6½% tins, pails, works lb 4.25 - —
Sodium-copper, aqueous soln., 4%, dms., pails, works lb. 3.75 - —
8%, pails, dms., works lb. 4.00 - 4.80
14%, dms., works lb. 8.90 - —
conc., dom., 50%, dms., works, 100% basis lb.42.00 - —
75%, dms., works, 100% basis lb.45.00 - —
90%-100%, dms., works, 100% basis lb.45.00 - —
imp., 60%, tins, 100% basis. lb.58.00 - —
90%, tins, 100% basis lb.58.00 - —
75%, tins, 100% basis lb.58.00 - —
Chloropicrin, comi., bots lb. 1.50 - —
cyls., 180 lbs frt alld lb .95 - —
100 lbs., same basis lb. .97 - —
25 lbs. same basis lb 1.22 - —
Cholesterol, USP fib. dms., 100-lb. lots lb. 6.85 - 9.00
Choline bitartrate, fib. dms., frt. adjusted lb. 1.25 - 1.50
Chloride fib. dms., frt. adjusted, lb. 1.50 - 1.75
Dihydrogen citrate, fib. dms., frt. adjusted lb. 1.50 - 1.75
Chromium acetate, soln., 7½%, bbls., works lb. .08½- —
cbys works lb. .10¼- —
Fluoride, bbls., works lb. .51 - .52
Green (see Green, chrome).
Oxide (see Green chromium oxide).
Trioxide NF bots lb. .82 - .89
Yellow, (see Yellow, chrome)
Cinchona bark, NF, red, broken, bgs lb. .35 - .40
yellow, broken, bgs lb. .35 - .40
Cinchonidine, cryst, cns, 100-oz. lots, oz. .65 - —
Sulfate cns., 100-oz. lots oz. .35 - —
Cinchonine cryst, cns, 100-oz. lots, oz. .52 - .57
Sulfate, NF, cns., 100-oz. lots oz. .27½- .30½
Cinchophen NF, heavy density, dms., frt. adjusted lb. 3.70 - 4.05
standard density, dms., same basis lb. 3.50 - 3.85
Cinchophen-sodium, dms., frt. adjusted lb. 4.50 - 4.85
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, cns., dms. lb. 1.00 - 1.30
Cinnamon, Ceylon, No. 2 lb. .58 - —
"0000," bgs. lb. .80 - —
Citral, bots., cns lb. 7.05 - —
Citronellal, bots., dms lb. 1.85 - 2.50
Citronellol, bots., dms lb. 3.70 - —
Civet, artif., bots lb.13.75 -15.00
nat., bots oz. 7.50 -15.00
Clay, ball, dom., airfloated, bgs., c.l., Tenn. ton.19.50 - —
crushed, shed moisture, bulk, c.l., Tenn ton.10.00 - —
purif., bgs., c.l., Tenn ton.20.50 - —
imp., airfloated, bgs., c.l., Atl. port, long ton.42.00 -45.00
lump bulk, Atl. port, long ton.27.00 -30.20
China, dom., dry-grd., airfloat, 99%, 325 mesh, bgs., c.l., Georgia, works ton.10.00 - —
l.c.l., Georgia, works. ton.15.50 - —
300 mesh, bgs., c.l., Georgia, works ton.13.50 -14.50
l.c.l. ton.35.00 -36.00
imp., white, lump, bulk, c.l., ex dock, Phila., Portland, Me. gross ton.20.00 -35.00
powd., bgs., c.l., ex dock net ton.50.00 - —
l.c.l., ex whse net ton.60.00 -65.00
Clove, Madagascar, bgs lb. .51 - —
Zanzibar, bls. lb. .50 - —
CMC, crude, 96%, low or medium vis., bgs., or fib. dms., 23,000 lbs., dlvd. E., 100% basis. lb. .37 - —
less than 23,000 lbs., dlvd. E., 100% basis lb. .41 - —
65%, bgs., or fib. dms., c.l., dlvd. E., 100% basis lb. .37 - —
l.c.l., dlvd. E., 100% basis. lb. .41 - —
purif., high vis. (see Gum Cellulose), standard, low or medium vis., bgs., 23,000 lbs. or over, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —
CMC prices W. of the Rockies are 2c. per lb. lower, and are on a works basis.
Coaltar, crude, resale dms., c.l., ex-whse. gal. .255 - —
l.c.l., ex-whse gal. .275 - —
tanks, ex works gal. .155 - .159
refd., resale, dms., c.l., ex-whse. gal. .2650- .32
l.c.l., ex-whse gal. .2850- .34
tanks, ex-whse gal. .1650- .1760

Cobalt acetate, 23.7%, bbls., dlvd. lb. 1.30 - —
Carbonate, 45%, powd., bgs., dlvd. lb. 2.15 - —
Chloride, 24.2% Co., kgs., dlvd., lb. 1.20 - —
Hydrate, 60-61% Co, bbls., dlvd. lb. 2.72 - —
Linoleate, fused, 8½% Co., dms. lb. .75¾- —
liq., 6% Co., dms lb. .81 - —
Metal, 97-99% kgs., ex whse lb. 2.60 - —
Naphthenate, liq., 6% Co., dms., dlvd lb. .48¼- —
Nitrate, 20.1% Co, bbls., dlvd lb. 1.00 - —
Oxide, black, 72½-73½% Co., kgs. lb. 1.96 - —
70-71% Co., kgs lb. 1.90 - —
Phosphate, powd., 32.1% Co., kgs., dlvd lb. 1.69 - —
Resinate, fused, 3% Co., dms lb. .29¾- —
Sulfate, cryst, 21% Co., dms., dlvd lb. .89 - —
monohydrated, 33% Co, dms. dlvd lb. 1.40 - —
Tallate, 6% Co., dms., dlvd lb. .43¾- —
Cocaine, USP, cns., 100-oz. lots oz. 17.80 - —
Hydrochloride, cns., 100-oz. lots oz. 13.75 - —
Cocillana bark, bgs lb. .40 - .50
Cocoa butter, bgs. lb. .63 - .68
Codeine, NF, cns., 100-oz. lots oz. 13.25 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Phosphate, USP, cns., 100-oz. lots. oz. 10.25 - —
Sulfate, USP, cns., 100-oz. lots oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh root, black, bls lb. .20 - .22
blue, bls lb. .20 - .22
Colchicine, USP, bots., cns. oz. 33.50 -40.00
Colchicum root, bls lb. .45 - .55
seed, bgs lb. .80 - 1.10
Collodion, USP, dms lb. .32½- —
flexible, USP, dms lb. .34 - —
Colocynth, pulp, bls lb. .25 - .30
Colombo root, bls lb. No prices.
Condurango bark, bales lb. .40 - .50

Copaiba balsam, cns., dms lb. .90 - 1.20
Copper acetate, bbls., c.l., works lb. .43 - —
l.c.l., works lb. .44 - —
Carbonate, 55%, bgs., works lb. .30 - .31½
Chloride, anhyd., bbls., works lb. .41½- —
cryst., bbls., works lb. .29 - .29½
Cyanide, tech., bbls., 20,000 lb. lots or more lb. .707 - —
1,000-lb. lots or more lb. .717 - —
smaller lots lb. .737 - —
Gluconate, cns, dms lb. 3.00 3.24
Hydrate, dms., frt. alld. E. Miss. lb. .43¾- .46½
Metal, electrolytic, dlvd., Valley basis lb. .36 - —
Naphthenate, liq., 8% Cu., dms., frt. alld lb. .24 - —
Nitrate, tech., cryst., bbls., works. lb. .32¼- —
Oleate, solid, 9% Cu, dms., works lb. .45 - —
Oxide, black, bbls., 500-lb. lots or more, works lb. .42 - .47½
red, USN type I, 97%, bbls., 500-lb. lots or more, works. lb. .51½- .64
type II, 90%, bbls., 500-lb. lots or more, works lb. .44½- .49½
Oxychloride, dms., works lb. .46 - .56½
Quinolinate, fib. dms lb. 4.25 - 4.50
Resinate, precip., dms., frt. alld lb. .31½- —
Sulfate, CP, gran., bbls., works. lb. .1915- —
cryst., 99%, bgs., c.l., works. 100 lbs.12.25 - —
l.c.l., works 100 lbs.12.75 -13.25
monohydrated, 35% dms., c.l., works 100 lbs.19.75 - —
l.c.l., works 100 lbs.20.50 - —
tribasic, dealers, bgs., c.l., works, frt. alld 100 lbs. 26.25 - —
l.c.l., works 100 lbs.27.25 -28.25
Undecylenate, dms lb. 2.90 3.00
Copperas (see Ferrous sulfate).

Copra, Atl. Gulf ports, c.i.f. ton.165.00 - —
Pacific ports, c.i.f. ton.160.00 - —
Coriander seed, Moroccan, bgs. lb. .09 - —
Roumanian, bgs. lb. .06¾- .07
Yugoslavian, bgs. lb. .06¼- .06⅛
Corn sugar, tanners, chipped, paper bgs, c.l. 60,000 lbs. min. 100 lbs 7.31 - —
l.c.l. 100 lbs. 7.46 - —
Syrup, 42° dms., c.l. 100 lbs 7.32 - —
l.c.l. 100 lbs. 7.46 - —
Corrosive sublimate (see Mercuric Chloride).
Cortisone acetate, NNR, bulk gram. 3.50 - 3.55
Cottonseed meal, exp, 41%, bgs., Memphis ton.60.00 - —
Coumarin, cryst., NF, dms lb. 3.10 - 3.20
Cramp bark, NF, bls lb. .85 - .90
Cream of tartar (see Potassium bitartrate).
Creosote carbonate, NF, bots, cbys. lb. 3.05 - 3.26
Coaltar, crude, tanks, works, frt. adjusted gal. .22 - —
soln., 80%, tanks, works gal. .2065 - —
refd., dms., c.l., works gal. .40 - .42
l.c.l., same basis gal. .50 - .53
tanks, same basis gal. .30 - .33
Wood, beechwood, cbys., dms lb. 1.60 - 1.65
hardwood, NF, bots., cbys lb. 1.30 - 1.35
pinewood, tanks, works lb. .427 - .438
Cresol, tech., 50% below 204°C., dry above 207°C., wide distillation range, non-ret, dms. c.l. frt equald lb. .133 - —
l.c.l. same basis lb. .136 - —
tanks, same basis lb. .12 - —
USP, non-ret, dms., c.l., same basis lb. .143 - —
l.c.l., same basis lb. .146 - —
ret dms., c.l., same basis lb. .140 - —
l.c.l., same basis lb. .145 - —
tanks, same basis lb. .130 - —



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m-Cresol—Dimethyl Ethanolamines

m-Cresol, 95-96%, dms., c.l., works, lb. .60 - —
l.c.l., works lb. .61 - —
o-Cresol, m.p. over 30°C., ret. dms., c.l., frt. equald lb. .173 - —
l.c.l., same basis lb. .176 - —
tanks, same basis lb. .16 - —
29°C., ret. dms., c.l., frt. equald. lb. .16 - —
l.c.l., same basis lb. 16½- —
tanks, same basis lb. .15 - —
25-29°C., dms., c.l., frt. equald. lb. .153 - —
l.c.l., same basis lb. .156 - —
tanks, same basis lb. .14 - —
p-Cresol, 98%, dms., c.l., dlvd lb. .49 - —
l.c.l., dlvd lb. .51 - —
Diethyl ether, cns lb 1.90 - 2.50
Crotonaldehyde, 91-93%, dms., l.c.l., works lb. .24¼- .25
Cryolite, nat., indust., bgs., c.l., works 100 lbs.13.00 - —
l.c.l., works 100 lbs.14.25 - —
insecticide, dealers, bgs., c.l., dlvd 100 lbs.16.75 - —
l.c.l., dlvd 100 lbs.17.75 - —
Cube root, powd., 5% rotenone, bgs., c.l., t.l., works lb. .26 - —
l.c.l., works lb. .27 - .27½
Cubeb berries, XX, NF, bgs lb. .60 - .65
powd., cs lb. .75 - .80
Cumene, dms., c.l., works lb. .12 - —
l.c.l., works lb. .14 - —
tanks, works lb. .11 - —
Cumin seed, Iranian, bgs. lb. .12½- .12¾
Turkish, bgs. lb. .12¾- .13
Cutch extract, 55% tannin, bgs., ex dock, duty extra lb. .08½- —
Cyanamide fertilizer mixing grades, 20.6% N, gran., bgs., Niagara Falls, Ont., contract ton.85.00 - —
pulv., 21% N, bgs., works, unit-ton.. 2.75 - —
indust. grade, bgs., c.l., works ton.75.00 - —
l.c.l., bgs., works ton.96.00 - —
6-16 mesh, dms. c.l., works.ton.120.00 - —
l.c.l., dms., works ton.140.00 - —
Cyclohexane, 99%, tech., dms., c.l., works gal. .70 - —
l.c.l., works gal. .72 - —
tanks, works gal. .55 - —
Cyclohexanol, tech., dms., c.l., works, frt. alld., E lb. .28½- .37¾
l.c.l., works, same basis lb. .30 - .38¼
tanks, works, same basis lb. .27 - .36¼
Cyclohexanone, tech., dms., c.l., works lb. .33½- —
l.c.l., works lb. .35 - —
tanks, works lb. .32 - —
Cyclohexylamine, dms., c.l., works, lb. .46½- —
l.c.l., works lb. .47½- —
tanks, works lb. .45 - —
Cyclopropane, CP, 2-lb. cyls., works, cyl.48.00 - —
6 oz. cyls., works cyl.12.00 - —
USP, hospitals, cyls., 40-gal. lots, gal. .38 - —
100-gal. lots gal. .37 - —
200-gal. lots gal. .36 - —

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2-4-D, tech., dms., c.l., works, frt. equald lb. .41½- —
l.c.l., same basas lb. .46½- .48½
2-4-D, butyl ester, dms., c.l., works, lb. .43 - —
l.c.l., same basis lb. .48 - .50
Isopropyl ester, dms., c.l., works, lb. .43 - —
l.c.l., works lb. .48 - .50
Dandelion root, bls lb. .35 - .40
DDD, tech., flake, grd., fib. bgs., c.l., works lb. .45 - —
l.c.l., works lb. .46 - —
DDT powder, bgs., c.l., works, frt. equald lb. .27 - —
smaller lots, same basis lb. .29 - —
fib. dms., c.l., same basis lb. .28 - —
smaller lots, same basis lb. .30 - —
1-Decanol, tech., dms., c.l., dlvd lb. .41 - —
l.c.l., dlvd. lb. .43 - —
tanks, dlvd. lb. .38½- —
Deerlongue leaves, bls lb. .45 - —
Defluorinated phosphate, feed grade, 13% P, paper bgs., c.l., t.l., works ton.53.40 - —
14½% P, paper bgs., works ton.48.00 - —
17% P, paper bgs., works ton.56.00 - —
18% P paper bgs., works ton.69.85 - —
Degras, common, bbls lb. .10 - .12
neutral, less 2% ffa., bbls lb. .23 - .24
over 2% ffa., bbls lb. .22 - .23
d-Desoxyephedrine hydrochloride bots lb.25.00 - —
dl, bots. lb. 6.50 - —
Dextrin, corn, gum, paper bgs., c.l., 100 lbs. 8.95 - —
l.c.l. 100 lbs. 9.10 - —
canary, paper bgs., c.l. 100 lbs. 8.69 - —
l.c.l. 100 lbs. 8.84 - —
dark, paper bgs., c.l. 100 lbs. 8.79 - —
l.c.l. 100 lbs. 8.94 - —
white, paper bgs., c.l. 100 lbs. 8.53 - —
l.c.l. 100 lbs. 8.68 - —
Corn dextrin in cotton bgs. 25c. per 100 lbs. higher.
Potato, bgs lb. .10½- .11
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 4.50 - 5.50
Di-sec-amyl phenol, dms., c.l., works lb. .30¼- —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
Di-tert-amyl phenol, dms., c.l., works lb. .30¼- —
l.c.l., works lb. .33¼- —
tanks, works lb. .28¼- —
o-Dianisidine fib. dms lb. 2.00 - —
Dibenzyl sebacate, dms., c.l., works. lb. .89¾- .90
l.c.l., same basis lb. .90¼- .91
tanks, same basis lb. .88 - —
p-Dibromobenzene, bgs., 500-lb. lots lb. .55 - —
Dibutyl phthalate, dms., c.l., dlvd. E lb. .32 - —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .30 - —
Sebacate, dms., c.l., works lb. .68 - —
l.c.l., works lb. .68½- .69
tanks, works, dlvd lb. .66 - .66½
Tartrate dms., works, frt. alld lb. .64 - .71
Dibutylamine, dms., c.l., dlvd lb. .55 - —
l.c.l., same basis lb. .56 - —
tanks, same basis lb. .53 - —
Di-tert-butyl-p-cresol, dms., c.l., works lb. .91 - —
l.c.l., works lb. .95 - —
Dicapryl phthalate, dms., c.l., dlvd., works lb. .30½- .31½
l.c.l., same basis lb. .31½- .32½
tanks, same basis lb. .29½- —
Sebacate, dms., c.l., works lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
2,5-Dichloroaniline, dms., works lb. .83 - —
o-Dichlorobenzene, dms., c.l., frt. alld. E lb. .12¼- —
l.c.l., same basis lb. .13¼- —
tanks, same basis lb. .10¾- —
p-Dichlorobenzene, dms., c.l., frt. alld. E lb. .16½- —
l.c.l. same basis lb. .19 - —
Dichlorodiphenyltrichloroethane (see DDT).
Dichloropentanes, dist., dms., c.l., works lb. .05 - —
l.c.l., works lb. .05¾- —
tanks, works lb. .04¼- —
Dicyclohexylamine, dms., c.l., works. lb. .51 - —
l.c.l., works lb. .51¾- —
tanks, works lb. .49¾- —
Dicyclohexyl phthalate, fib. dms., c.l., frt. alld., works lb. .58¼- .59
l.c.l., same basis lb. .59¼- .60
Dieldrin, dms., frt. alld lb. 1.80 - —
l.c.l., frt. alld lb. 1.85 - —
Diethanolamine, dms., c.l., dlvd. E. lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .24½- —
Diethyl carbonate, dms., c.l., frt. alld lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Ethanolamines, dms., c.l., dlvd lb. .67½- —
l.c.l., dlvd lb. .68½- —
tanks, dlvd lb. .65½- —
Oxalate, dms., c.l., frt. alld lb. .42 - —
l.c.l., same basis lb. .43 - .45
tanks, same basis lb. .40 - —
Phthalate, dms., c.l., dlvd lb. .27 - —
l.c.l. dlvd. lb. .28 - —
tanks, dlvd. lb. .25 - —
Sulfate, dms., c.l., works lb. .18¾- —
l.c.l. works lb. .19¼- —
tanks works lb. .17 - —
Diethylamine, dms., c.l., dlvd. E lb. .50½- —
l.c.l., same basis lb. .51½- —
tanks, same basis lb. .48½- —
N,N-Diethylaniline, dms., c.l., frt. alld lb. .51 - —
l.c.l., same basis lb. .52 - —
tanks, same basis lb. .50 - —
Di-2-ethylhexyl adipate (see Dioctyl adipate).
Phthalate (see Dioctyl phthalate).
Diethylene glycol, dms., c.l., dlvd E. lb. .16½- —
l.c.l., same basis lb. .17½- —
tanks, same basis lb. .14¾- —
Borihorate, dms., l.c.l. lb. .31 - —
Diethylene diethyl ether, dms., c.l., works lb. .46½- —
l.c.l., works lb. .47 - —
Monobutyl ether, dms., c.l., works lb. .23¾- —
l.c.l., works lb. .29¼- —
tanks, works lb. .27 - —
Acetate, dms., c.l., works lb. .30 - —
l.c.l., works lb. .30½- —
tanks, dlvd. E lb. .28¼- —
Monoethyl ether, dms., c.l., dlvd. lb. .20¾- —
l.c.l., dlvd lb. .21½- —
tanks, dlvd lb. .19½- —
Acetate, dms., c.l., works lb. .26¾- —
l.c.l., works lb. .27¼- —
tanks, dlvd. E lb. .25¼- —
Monomethyl ether, dms., c.l., works lb. .20½- —
l.c.l., works lb. .21½- —
tanks, works lb. .18½- —
Diethylenetriamine dms., c.l., dlvd E. lb. .43 - —
l.c.l., same basis lb. .44 - —
tanks, same basis lb. .41¼- —
Diethylstilbestrol, USP, bots., 10-kilo lots kilo.100.00 - —
1-kilo lot kilo.110.00 - —
Digitalis leaves, USP, dom., dms., lb .90 - 1.10
Digitoxin, USP, bots gram. 5.00 - 5.50
Diglycol laurate, dms lb. .35 - .38
Oleate, dms lb. .31 - —
Stearate, dms lb. .26 - .27
Dihexyl sebacate, dms., c.l., works lb. .64 - —
l.c.l., works lb. .64½- .65
tanks, works lb. .62 - —
Dihydrazine sulfate, dms., works. lb. 1.10 - 1.25
Dihydrostreptomycin hydrochloride, bulk gram. .11 - .12
Sulfate, bulk gram. .11 - .12
2,2-Dihydroxy-5,5'-dichloro-diphenyl-methane, pure, dms lb. 2.80 - 3.00
tech., dms lb. 1.04 - 1.14
Di-isobutyl ketone, dms., c.l., dlvd. lb. .15½- —
l.c.l., dlvd lb. .16½- —
tanks, same basis lb. .13½- —
Phthalate, dms., c.l., dlvd. E lb. .31 - —
l.c.l., same basis lb. .32 - —
tanks, same basis lb. .29 - —
Di-isobutylene, dms., c.l., works lb. .10 - —
l.c.l., works lb. .11 - —
tanks, works lb. .09 - —
Di-iso-octyl phthalate, dms., c.l., dlvd. lb. .32½- —
l.c.l., same basis lb. .33½- —
tanks, same basis lb. .30½- —
Sebacate, dms., c.l., works, lb. .63 - —
l.c.l., works lb. .63½- .64
tanks, works lb. .61 - —
Di-isopropylamine, dms., c.l., dlvd. E. of Rockies lb. .50 - —
l.c.l., same basis lb. .51 - —
tanks, same basis lb. .48 - —
Diilseed, dewhiskered, bgs lb. .12 - —
nat., bgs. lb. .11 - —
Dimethyl anthranilate, cns lb. 5.25 - 5.75
Chloroacetal, dms., c.l., works lb. .45 - —
l.c.l., works lb. .50 - —
tanks, works lb. .40 - —
Ethanolamines, anhyd., dms., c.l., dlvd. lb. 1.43 - —
l.c.l., dlvd lb. 1.45 - —
tanks, dlvd lb. 1.40 - —
70%, dms., c.l., dlvd., 100% basis lb. .68 - —
tanks, dlvd., 100% basis lb. .66 - —

D. D. V. P.

(Dimethyl dichloro vinyl phosphate)

The new organic insecticide developed by the U. S. Public Health Service.

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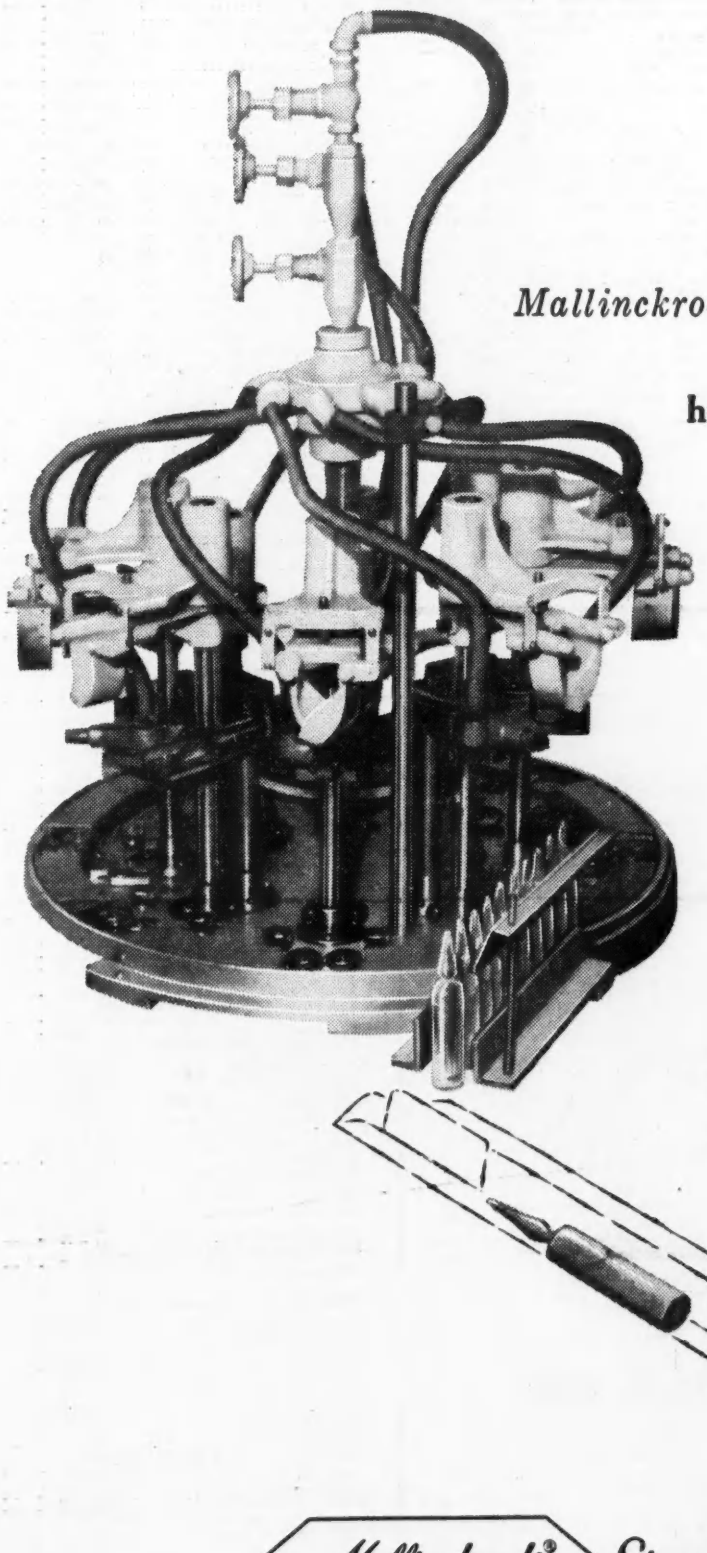

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There are many reasons why pharmaceutical chemists turn to Mallinckrodt for their theophylline needs. Mallinckrodt **Theophylline USP Anhydrous,** for example, has these characteristics: (1) its particle size – 95% minimum through 80 mesh—means it goes into solution faster; (2) its purity contributes to clearer solutions; (3) its uniformity helps in the manufacture of a more standard product. **Theophylline** is a diuretic, coronary vasodilator, and anti-spasmodic. Either the anhydrous or the monohydrated form may be used as a main ingredient in pharmaceutical preparations or in combination with other desired chemicals.

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Dimethyl Hydroquinone—Elm Bark

Dimethyl hydroquinone, dms.	lb.	1.70 -	2.75
Phthalate, dms., c.l., works	lb.	.29½-	—
l.c.l., works	lb.	.30½-	—
tanks, dlvd.	lb.	.27½-	—
Sebacate, dms., c.l., works	lb.	1.27 -	—
l.c.l., works	lb.	1.28 -	—
tanks, works	lb.	1.25 -	—
Sulfate, 55-gal., ret. dms., c.l., works	lb.	.15 -	—
l.c.l. works	lb	.16 -	—
10-gal. ret. dms., l.c.l., works,	lb.	.16½-	—
Dimethylamine, 25% soln., dms., c.l., frt. equald	lb.	.42 -	—
l.c.l., frt. equald	lb.	.42½-	—
tanks, frt. equald	lb.	.33 -	—
40% soln., dms., c.l., frt. equald	lb.	.39 -	—
l.c.l., frt. equald	lb.	.39½-	—
tanks, frt. equald	lb.	.33 -	—
N,N-Dimethylaniline, dms., c.l., frt. alld	lb.	.29½-	—
l.c.l., frt. alld	lb.	.30½-	—
tanks, frt. alld	lb.	.28½-	—
N,N-Dimethylformamide dms., works.	lb.	.34 -	.39
tanks, works	lb.	.33 -	—
2,4-Dinitroaniline, dms., frt. equald	lb.	.57 -	—
m-Dinitrobenzene, 85°C., dms	lb.	.20 -	—
89°C., dms	lb.	.22 -	—
2,4-Dimtrochlorobenzene, dms., c.l., frt. alld. E	lb.	.15¼-	—
l.c.l., frt. alld E	lb.	.15¾-	—
tanks, frt. alld., E	lb.	.15 -	—
2,4-Dinitrophenol, bbls.	lb.	.37 -	—
2,4-Dinitrotoluene, oily, dms.	lb.	.10 -	—
refd., 68° C., dms.	lb.	.21 -	—

Dioctyl adipate, dms., c.l., works.	lb.	.44½-	—
l.c.l., works	lb.	.45½-	—
tanks, works	lb.	.42½-	—
Phthalate, dms., c.l., frt. alld	lb.	.32½-	—
l.c.l., frt. alld	lb.	.33½-	—
tanks, frt. alld	lb.	.30½-	—
Sebacate, dms., c.l., works,	lb.	.63 -	—
l.c.l., works	lb.	.63½-	.64
tanks, works, dlvd	lb.	.61 -	.61½
Di-o-tolyguanidine, dms., ton lots, dlvd.	lb.	.57 -	—
smaller lots, dlvd	lb.	.58 -	—
1,4-Dioxane, dms., c.l., works	lb.	.28¾-	—
l.c.l. same basis	lb.	.29¼-	—
tanks, same basis	lb.	.27 -	—
Dip oil (see Tar acid oil).			
Dipentaerythritol, bgs., l.c.l., works.		.35 -	—
Dipentene, dest-dist., dms., c.l., works	gal.	.405 -	—
l.c.l., works	gal.	.455 -	—
ex-whse	gal.	.57 -	—
steam-dist., dms., c.l., works, South.	gal.	.64 -	—
dlvd. N. Y.	gal.	.82 -	—
tanks, works, South	gal.	.50 -	—
Diphenyl, bbls., c.l., works	lb.	.15 -	—
l.c.l., works	lb.	.16 -	—
Diphenyl in bags ¼c. lower.			
Oxide, perfume grade, cns	lb.	.54 -	.61
Phthalate, dms., c.l., works	lb.	.51¾-	—
l.c.l., works	lb.	.53¾-	—
Diphenylguanidine dms., ton lots	lb.	.48 -	—
smaller lots	lb.	.49 -	.50
Diphenylhydantoin-sodium, USP, dms	lb.	5.30 -	5.60

Dipropylene glycol, dms., c.l., frt. alld	lb.	.16½-	—
l.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.14¾-	—
Monomethyl ether, dms., c.l., dlvd. E	lb.	.30 -	—
l.c.l., same basis	lb.	.21 -	—
tanks, same basis	lb.	.18½-	—
Divi-divi, 45% tannin, bgs., bls., c.l., U.S. ports, exdock	ton.	70.00	-72.00
Divinylbenzene, 20-25%, dms., c.l., works	lb.	.20 -	—
l.c.l., works	lb.	.21	—
tanks, works	lb.	.19 -	—
40-50%, dms., c.l., works, 100% basis	lb.	1.00 -	—
l.c.l., works, 100% basis	lb.	1.15 -	—
Dodecylbenzene, dms., c.l., frt. equald	lb.	.14½-	—
l.c.l., same basis	lb.	.15½-	—
tanks, same basis	lb.	.12½-	—

Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots, dlvd:—

Blue, FD & C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	17.00	-17.60
Green, FD & C, No. 1, cns	lb.	17.00	-17.60
No. 2, cns	lb.	22.20	-2285
No. 3, cns	lb.	35.25	-35.90
Orange, FD & C, No. 1, cns	lb.	3.65	- 3.75
No. 2, cns	lb.	4.65	- 4.75
Red, FD & C, No. 1, cns	lb.	7.55	- 7.85
No. 2, cns	lb.	4.00	- 4.10
No. 3, cns	lb.	22.20	-22.85
No. 4, cns	lb.	7.20	- 7.50
No. 32, cns	lb.	5.30	- 5.40
Violet, FD & C, No. 1, cns	lb.	17.00	-17.60
Yellow, FD & C, No. 1, cns	lb.	10.50	-11.05
No. 3, cns	lb.	3.30	- 3.40
No. 4, cns	lb.	3.30	- 3.40
No. 5, cns	lb.	4.00	- 4.10
No. 6, cns	lb.	4.00	- 4.10

Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Black, D&C, No. 1, cns	lb.	10.95	- —
Brown, D&C, No. 1, cns	lb.	16.10	- —
Green, D&C, No. 8, cns	lb.	16.10	- —
No. 6, cns	lb.	16.10	- —
No. 7, cns	lb.	14.80	- —
Orange, D&C, No. 3, cns	lb.	10.95	- —
No. 4, cns	lb.	20.05	- —
No. 5, cns	lb.	5.70	- —
No. 10, cns	lb.	20.70	- —
Red, D&C, No. 8, cns	lb.	2.85	- —
No. 9, cns	lb.	2.85	- —
No. 10, cns	lb.	2.30	- —
No. 11, cns	lb.	1.85	- —
No. 12, cns	lb.	2.65	- —
No. 17, cns	lb.	10.95	- —
No. 18, cns	lb.	24.00	- —
No. 19, cns	lb.	15.45	- —
No. 21, cns	lb.	3.60	- —
No. 22, cns	lb.	10.95	- —
No. 28, cns	lb.	24.65	- —
No. 33, cns	lb.	17.45	- —
Violet, D&C, No. 2, cns	lb.	16.10	- —
Yellow, D&C, No. 7, cns	lb.	10.95	- —
No. 10, cns	lb.	13.50	- —
No 11, cns	lb.	13.50	- —

Dyes, coaltar, certified colors for drugs and cosmetics, external use, 1-lb. lots, works, 25-50 lb. lots, dlvd:—

Blue, Ext., D&C, No. 1, cns	lb.	16.10	- —
Green, Ext., D&C, No. 1, cns	lb.	16.10	- —
Red, Ext., D&C, No. 1, cns	lb.	13.50	- —
Yellow, Ext., D&C, No. 1, cns	lb.	10.95	- —

Dyes, coaltar for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype), contract, dlvd. No.

20 Chrysoidine Y, dustless	lb.	.81	- —
27 Fast light orange 2G	lb.	.99	- —
31 Phloxine 2G	lb.	.81	- —
36 Yellow 2G	lb.	.91	- —
40 Orange R extra, conc	lb.	1.17	- —
57 Fuchsine 6B	lb.	1.19	- —
79 Scarlet 2R	lb.	.89	- —
151 Orange AD	lb.	.61	- —
161 Orange RR	lb.	.73	- —
176 Fast red A	lb.	1.07	- —
179 Rubine XX, conc	lb.	1.14	- —
180 Blue F4B	lb.	1.01	- —
185 Brilliant scarlet 3RN, conc.	lb.	1.02	- —
202 Chrome blue black, conc.	lb.	.75	- —
203 Chrome black T	lb.	.86	- —
208 Fast blue SR	lb.	1.00	- —
216 Chrome red B	lb.	.84	- —
234 Brown Y	lb.	.98	- —
246 Blue black, extra, conc	lb.	1.05	- —
275 Milling red 3R, conc	lb.	2.03	- —
289 Navy blue 3R, conc	lb.	1.31	- —
299 Black F, conc	lb.	1.69	- —
304 Neutral black 2B, conc.	lb.	2.21	- —
326 Fast scarlet 4BNC	lb.	1.80	- —
332 Bismark brown RX, conc.	lb.	.95	- —
365 Brilliant yellow, conc	lb.	2.83	- —
382 Scarlet B	lb.	2.00	- —
401 Diazo black BHD	lb.	.72	- —
406 Blue 2B, extra conc	lb.	1.18	- —
419 Red FC, conc	lb.	1.12	- —
420 Brown M	lb.	1.06	- —
448 Red 4BX, conc	lb.	1.30	- —
518 Diamine sky blue FF, extra, conc	lb.	1.50	- —
561 Brown B	lb.	2.23	- —
581 Black EB, 200%	lb.	1.03	- —
593 Green BY, conc	lb.	.79	- —
598 Yellow Brown K, extra	lb.	.98	- —
620 Yellow 2G	lb.	1.79	- —
640 Yellow XX	lb.	1.61	- —
635 Yellow OX	lb.	2.04	- —
657 Green V	lb.	2.10	- —
662 Brilliant green G	lb.	2.79	- —
667 Brilliant milling green 6B, conc	lb.	3.68	- —
671 Blue EG	lb.	1.70	- —
681 Crystal violet powder	lb.	2.15	- —
698 Violet 4BXN	lb.	1.74	- —
720 Brilliant blue BBG	lb.	1.88	- —
729 Blue B, conc	lb.	2.79	- —
749 Red BX	lb.	4.33	- —
814 Yellow NN, conc	lb.	3.11	- —
841 Safranine GF, extra, conc.	lb.	3.17	- —
865 Nigrosine WSJ	lb.	.75	- —
922 Blue GXX	lb.	1.71	- —
978 Black G, CF, conc	lb.	.92	- —
1034 Alizarine red SC	lb.	2.59	- —
1054 Alizarine blue SAPX	lb.	2.81	- —
1078 Alizarine green CG, extra	lb.	2.72	- —
1085 Alizarine blue, black, B	lb.	2.33	- —
1096 Golden orange GFD, single paste	lb.	1.99	- —
1099 Dark blue BO, single paste.	lb.	1.75	- —
1101 Jade green N, double paste.	lb.	1.98	- —
1106 Blue RS, double paste	lb.	3.26	- —
1113 Blue BLFD, double paste	lb.	2.48	- —
1150 Olive R, single paste	lb.	1.10	- —
1151 Brown R, single paste	lb.	1.76	- —
1171 Indigo synthetic, 20% paste	lb.	.31	- —
1217 Orange RD, single paste	lb.	1.65	- —
p-4 Brown PG	lb.	2.30	- —
p-14 Brown EB	lb.	1.66	- —
p-24 Gray L	lb.	1.60	- —
p-80 Diazo brilliant scarlet ROAD	lb.	2.79	- —
p-202 Diazo black VJ, conc	lb.	1.91	- —
p-244 Brilliant scarlet BN	lb.	1.31	- —
p-313 Naphthol SWF	lb.	2.42	- —

Dyes, coaltar, for stains, oil-soluble, 100-lb. dms., sellers' works

Black blue No. 550	lb.	.81	- —
Jet No. 551	lb.	.89	- —
Brown R, conc	lb.	1.72	- —
Orange G, brilliant	lb.	.90	- —
Red 4B, conc	lb.	1.37	- —
Yellow C	lb.	1.18	- —
FN, conc	lb.	1.22	- —

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works:—

Auramine O	lb.	1.85	- —
Black, basic blue	lb.	1.21	- —
Jet	lb.	1.21	- —
Blue, methylene, 2B, conc	lb.	1.71	- —
Brown Bismarck R, conc	lb.	.86	- —
Chrysoidine, R, extra	lb.	.60	- —
Y, extra	lb.	.64	- —
Fuchsine, conc	lb.	2.08	- —
Green, malachite, conc	lb.	2.10	- —
Rhodamine, B	lb.	4.33	- —
Safranine, Y, conc	lb.	2.90	- —
Violet, methyl, B	lb.	1.10	- —

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works:—

Acid rubine R, extra, conc	lb.	1.04	- —
Black, acid blue, B, extra	lb.	.86	- —
Fast light, 3 G, extra	lb.	2.04	- —
Methanil, conc	lb.	.91	- —
Orange acid, Y, conc	lb.	.47	- —
Scarlet croceine, MOO	lb.	1.45	- —
Yellow, azo, conc	lb.	.90	- —

Oil-soluble, spirit-soluble, water-soluble in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb	1.10	- —
Egg albumin (see Albumin).			
Yolk, dried, dom., bbls	lb.	1.12	- 1.14
tanners, bbls	lb	.65	.66½
Elder flowers, bright, bls	lb.	.35	.40
Elm bark, grinding, bls	lb.	.30	.32
powd., bbls., bxs	lb.	.45	—
select, bundles	lb.	.75	- —

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Emetine hydrochloride, USP, bots oz. 32.95 - 35.00
Endrin, tech., dms., dlvd., basis 100% lb. 3.75 - —
Ephedrine, syn., USP, anhyd., bots., 100-oz. lots oz. .98 1.00
hydrous, bots., 100-oz. lots oz. .92 —
Hydrochloride, tins, 100-oz. lots, oz. .75 —
Sulfate, cryst., tins, 100-oz. lots, oz. .72 - —
powd., tins 100-oz. lots oz. .73 - —
Epichlorohydrin, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd lb. .36 - —
tanks, dlvd lb. .33 - —
Epinephrine, syn. USP, bots., 100-gram lots gram .45 .55
Epsom salt (see Magnesium sulfate).
Ergosterol, unirradiated, cryst kilo 150.00 - —
Ergot, NF, dms., tin-lined lb 3.00 - —
Eserine salicylate, bots oz. 35.75 - —
Sulfate, bots oz. 39.50 - —
Ether (see specific product).
Ethyl acetate, nat. ferment., 85-88%, dms., c.l., frt. alld lb. .13 - —
l.c.l., frt. alld lb. .14 - —
tanks, frt. alld lb. .11 - —
95-96%, dms., c.l., frt. alld, lb. .13¼ - —
l.c.l., frt. alld lb. .14¼ - —
tanks, frt. alld lb. .11¼ - —
99% ums., c.l., frt. alld lb. .13½ - —
l.c.l., frt. alld lb. .14½ - —
tanks, frt. alld lb. .11½ - —
syn., 85-88%, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .14 - —
tanks, dlvd lb. .11 - —
95-98%, dms., c.l., dlvd lb. .13¼ - —
l.c.l., dlvd lb. .14¼ - —
tanks, dlvd lb. .11¼ - —
99% ums., c.l., dlvd lb. .13½ - —
l.c.l., dlvd lb. .14½ - —
tanks, dlvd lb. .11½ - —
Acetoacetate, dms., c.l., dlvd lb. .58 - —
l.c.l., dlvd lb. .59 - —
tanks, dlvd lb. .56 - —
Acrylate, dms., c.l., t.l., dlvd lb. .41½ - —
l.c.l., dlvd. lb. .41½ - —
tanks, dlvd lb. .38¾ - —
Aminobenzoate, USP (see Benzocaine).
Bromide, tech., 98%, dms., c.l., frt. alld. E lb. .41 - —
l.c.l., frt. alld. E lb. .43 - —
Butyl ketone, dms., c.l., works lb. .35½ - —
l.c.l., works lb. .36 - —
tanks, works lb. .34 - —
Butyrate, works lb. .80 1.02
Carbamate (see Urethane)
Cellulose, vis. 7 cps., bgs., 5,000-lb. lots or more, works lb. .70 —
smaller lots, works lb. .72 .80
vis. 10, 20, 50, 100, 150 cps., ogs., 2,000-lb. lots or more, works lb. .65 - .70
smaller lots, works lb. .67 - .81
Chloride, tech., cyl., works lb. .20 - .22
dms., works lb. .18 - .20
tanks, works lb. .10 - —
Cinnamate, cns. lb. 2.71 3.45
Ethanolamine, mixed, dms., c.l., frt. alld., E. Miss lb. .42½ - —
l.c.l., same basis lb. .43½ - —
tanks, same basis lb. .40½ - —
indust., dms., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd. E lb. .13 - —
tanks, dlvd E lb. .10 - —
Ether, absolute, ASS, dms. lb. .27 - —
anesthesia, USP, hospitals, 1-lb. cns lb. .89 - —
½-lb cns lb. .97 - —
¼-lb cns lb. 1.05 - —
indust., dms., c.l., dlvd. E lb. .12 - —
l.c.l., dlvd. E. lb. .13 - —
tanks, dlvd. E. lb. .10 - —
Gallate, dms., 100 to 2,000-lb. lots, lb. 3.90 - 4.40
Iodide, chys. works lb 3.30 —
Methacrylate, dms., c.l., and less than truckload, works, frt. equald. lb. .51½ - .52
Morphine hydrochloride, USP, bots oz. 11.85 - —
Nitrite (see Nitrous ether).
Oenanthate, dms. lb. 1.00 1.50
Oleate, dms. l.c.l., works lb. No prices.
Oxalate (see Diethyl oxalate).
Silicate dist. (see Tetraethylorthosilicate).
40% available SiO_2, dms., dlvd. lb. .53½ - —
N-Ethyl-a-naphthylamine dms., works, lb. 1.02 - —
N-Ethyl-o-toluidine bbls lb. .88 - —
Ethylamine (see Mono Di or Tri-)
N-Ethylaniline dms. c.l. frt. alld. lb. .51 - —
l.c.l., frt. alld lb. .52 - —
tanks, frt. alld lb. .50 - —
Ethylbenzene, 99%, dms., c.l. lb. .19½ - .20¼
l.c.l lb. .20½ - .21¼
tanks lb. .18½ - —
Ethylene dichloride, dms., c.l., dlvd lb. .10¼ - —
l.c.l. same basis lb. .12¼ - —
tanks, same basis lb. .09 - —
Ethylene dichloride prices W. of Rockies 1c per lb higher.
Glycol, indust., dms., c.l., dlvd. E lb. .14¾ - —
l.c.l., same basis lb. .15¾ - —
tanks, same basis lb. .13 —
Monobutyl ether, dms., c.l., dlvd. E lb. .20 - —
l.c.l., dlvd E lb. .21 - —
tanks, dlvd E lb. .18½ - —
Monoethyl ether, dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .18½ - —
l.c.l. dlvd. E lb. .19½ - —
tanks, dlvd. E lb. .16½ - —
Monomethyl ether dms., c.l., dlvd. E lb. .20½ - —
l.c.l., dlvd. E lb. .21½ - —
tanks, dlvd E lb. .18½ - —
Acetate, dms., c.l., dlvd. E lb. .28¾ - —
l.c.l. dlvd. E lb. .29¼ - —
tanks, dlvd. E lb. .27 - —
Monostearate, triple pressed, dms lb. .34 - —
Oxide, dms., c.l., dlvd. E lb. .21 - —
l.c.l., dlvd. E lb. .24 - —
tanks, dlvd. E lb. .15 - —
Trichloride (see Trichloroethane).
Ethylenediamine 85-88% dms., c.l., dlvd. E., 100% basis lb. .46 - —
l.c.l. dlvd. E., 100% basis lb. .47 - —
tanks, dlvd. E., 100% basis lb. .44 - —
Ethylvanillin, cns., 25-lb. lots lb 6.75 - 7.30
smaller lots lb 7.35 7.40
Eucalyptol, USP cns., dms lb 1.40 1.50
Eugenol, USP bots. lb. 2.70 - 3.55
Euphorbia herb, bls lb. .15 - .17

F

Feldspar, 140-200 mesh, bulk, c.l., works ton 19.50 - —
Feldspar in bags $3 per ton higher
Fennel seed, Argentine, bgs. lb. .11½ - —
Czech, medium, bgs lb. .11½ - —
Indian, light, bgs lb. .11½ - —
Fenugreek seed, Moroccan, bgs. lb. .10½ - —
Ferric acetate, liquor, 28°, bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾ - —
soln., USP IX, chys. lb. .16 - —
djns. lb. 17 —
Cacodylate, NF, bots lb. 13.00 - 14.00
Ferric chloride, anhyd., tech., dms., c.l., works 100 lbs. 6.75 - —
l.c.l., works 100 lbs. 8.00 - —
indust., cryst., bbls., c.l., works, 100 lbs. 4.75 5.25
l.c.l., works 100 lbs. 5.75 6.25
42° Be, chys., c.l., works, 100 lbs. 7.25 8.25
tanks, frt. equald, 100% basis 100 lbs. 3.25 —
USP cryst., dms. works lb 07½ .09
Citrate, gran., dms. lb. .86 - —
Glycerophosphate NF, powd lb 4.75 4.85
Hydrophosphite, NF, dms lb 3.45 —
Naphthenate liq., 6% Fe., dms., frt. alld lb. .25¾ - —
Oxalate, gran., dms lb. .85 - .87
Phosphate, NF soluble, gran., pearls c l b 64 65
Pyrophosphate, NF VII, soluble, gran., pearls, dms lb. 78 .81
Resinate, 6¾% Fe dms. frt. alld lb. .29½ - —
Stearate, dms., c.l., frt. alld lb. .37 - —
l.c.l., frt. alld lb .38 .42
Sulfate, partially hydrated, bgs., c.l. works ton 31.75 - 33.75
l.c.l., works ton 34.75 40.75
Ferric-ammonium citrate, brown, NF, gran., dms lb. 59 —
green USP XII, gran. dms lb 59 —
Oxalate, fine gran. dms lb. .25½ .28½
Ferric-potassium oxalate fine gran., dms lb 30½ 33½
Ferric-sodium oxalate, fine gran., dms lb 25½ 28½
Ferrous gluconate, NF dms lb. .88 —
Sulfate, gran., bgs., c.l. works ton 34.50 - —
l.c.l., dlvd. Metropolitan area 100 lbs 3.35 4.25
bbls. c.l., works ton 10.00 —
bulk, c.l., works ton 27.00 —
USP cryst., bbls., dms lb 09½ .10
Fir balsam, Canada, cns gal. 32.00 - —
Oregon, bbls gal. 4.00 - —
Fishliver oil (see Oil fishliver).
Fishmeal, menhaden, ground, domestic 60% protein, bags, Balto area ton. 148.00 - —
Fishscrap, menhaden, dried, 60% protein, bgs., Balto area ton. 143.00 Nom.
Formaldehyde, NF, 37%, (inhibited), Zone 1, dms., c.l., dlvd lb. .0325 - —
l.c.l., dlvd lb. .037 —
tanks, dlvd lb. .0375 - —
Zone 2, dms., c.l., dlvd lb. .043 - .066
tanks, dlvd lb. .0405 - —
methanol-free (uninhibited), Zone 1, tanks, dlvd lb. .035 - —
Zone 2, tanks, dlvd lb. .0375 - —
Fleaseed (see Psyllium seed).
Fringetree bark, bls lb 60 61
Fuller's earth, bgs., c.l., Ill. mines, ton. 19.00 - —
powd., insecticide grade, dried, bgs., c.l., Ga. or Fla. mines ton. 17.50 - —
calcined, bgs., c.l., same basis ton. 20.00 - 21.75
oil-breaching grade, 100-mesh, bgs., c.l., same basis ton. 16.50 - 17.00
200-mesh, bgs., c.l., same basis ton. 17.50 - 18.00
spent, bgs., c.l., shipt. point ton. 4.50 - 5.00
Furfural, dms., c.l., works lb 13 —
l.c.l., works lb 14 —
tanks, dlvd E lb 12 —
dlvd W lb 13 —
Fusel oil, refd., dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd. lb. .23 - —
tanks, dlvd. lb. .20 - —

Emetine Hydrochloride—Glauber's Salt

Fustic extract, cryst., No. 1, bbls., l.c.l lb. .47½ - —
No. 2, bbls l.c.l lb .45½ - —
No. 3, bbls l.c.l lb .43½ - —
liq., No. 1, bbls., l.c.l. lb. .22½ - —
No. 2, bbls lb .21½ - —
No. 3, bbls l.c.l lb 19 —
solid No. 1 bxs. l.c.l. lb 45 - —

G

G salt, 100% basis, bbls frt alld lb 73 - —
Gamma-picoline (see g-Picoline)
Gelatin, edible, pure (pork skin), 75 Bloom test, bbl., c.l. lb. .53 - —
150 Bloom test, bbl., c.l. lb. .64 - —
200 Bloom test, bbl., c.l. lb. .71 - —
225 Bloom test, bbl., c.l. lb. .74 - —
275 Bloom test, bbl., c.l. lb. .81 - —
Gelsemium root, bls lb 23 .24
Gentian root, bls lb 17 .20
grd., bbls, bxs lb 22 .23
powd, bbls, bxs lb 23 .24
Geraniol, extra, cns., dms lb. 3.20 - —
standard, cns., dms lb. 2.85 - —
Geranyl acetate, cns lb. 3.20 - —
Ginger oleoresin, NF, from African root, bots lb. 4.00 - 7.75
from Jamaican root, bots lb. 6.00 - 10.25
Root, African, bls. lb. .30½ - —
Jamaica, No. 1, bgs lb. No prices.
No. 2, bgs lb. .38 - —
No. 3, bgs lb. .37 —
Nigerian, split, bgs lb. .26 - —
Glauber's salt, anhyd (see Sodium sulfate).

here it is — the plasticizer with the flame-retardance you've been looking for—

Celluflex* CEF

another product pioneered by Celanese

Celluflex CEF builds exceptional fire-retardancy into a wide variety of plastics and surface coatings—including polyesters, vinyls, cellulosics, polyurethanes—and, in all probability many other polymers and copolymers.

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plus

excellent low temperature properties . . .
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and a water-white color clear enough for transparent coatings.

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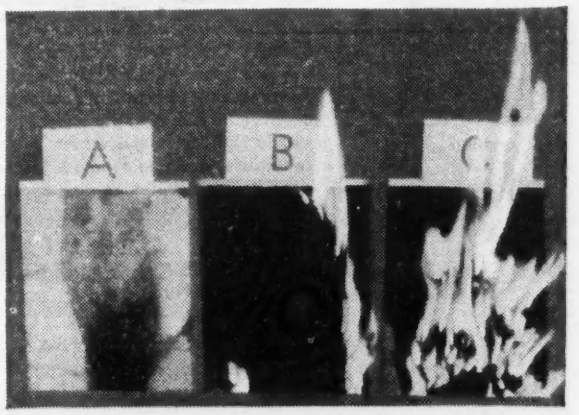

FLAME RETARDANCY TEST. 3 lacquers were formulated using same basic formula with exception of plasticizer. In Case A, it was Celluflex CEF (tris β-chloroethyl phosphate); Case B, tricresyl phosphate; Case C, dibutyl phthalate.

Lacquers were sprayed on panels, then ignited for 7 seconds. Upon removal of flame, Panel B and C continued to burn but Panel A (Celluflex CEF lacquer) extinguished itself within 2 seconds!

Celanese Corporation of America
Chemical Division, Dept. 556 D
180 Madison Avenue, New York 16, N. Y.

If Celluflex CEF can be useful in _____
_____ send me test sample and technical literature.

NAME _____
TITLE _____
COMPANY _____
ADDRESS _____
CITY _____ ZONE _____ STATE _____

CHEMICAL PROGRESS WEEK-MAY 16-21

Celanese CHEMICALS

*Reg. U.S. Pat. Off.

Glue—Hydrofuramide

Glue, bone, extracted, 86 jellygrams, bgs., c.l., dlvd lb. .17 - —
104 jellygrams, same basis lb. .19 - —
131 jellygrams, same basis lb. .21 - —
164 jellygrams, same basis lb. .23 - —
191 jellygrams, same basis lb. .25 - —
222 jellygrams, same basis lb. .28 - —
packers' 40 jellygrams, bgs., c.l., dlvd lb. .15½- —
65 jellygrams, same basis lb. .16½- —
86 jellygrams, same basis lb. .17 - —
115 jellygrams, same basis lb. .17½- —
135 jellygrams, same basis lb. .18½- —
164 jellygrams, same basis lb. .19½- —
renderers' 100 jellygrams, bgs., c.l., dlvd lb. .15 - —

Bone glue, l.c.l. prices 1c. higher.

Hide, 70-94 jellygrams, bgs., c.l., dlvd lb. .16 - —
95-121, bgs., c.l., dlvd. lb. .18 - —
122-149, bgs., c.l., dlvd. lb. .20 - —
150-177, bgs., c.l., dlvd. lb. .225 - —
178-205, bgs., c.l., dlvd. lb. .25 - —
207-236, bgs., c.l., dlvd. lb. .275 - —
237-266, bgs., c.l., dlvd. lb. .30 - —
267-298, bgs., c.l., dlvd. lb. .32 - —
299-330, bgs. c.l. dlvd lb. .34 - —
331-362 jellygrams, bgs., c.l., dlvd lb. .36 - —
363-394, bgs., c.l., dlvd lb. .37 - —
395-427 bgs., c.l., dlvd lb. .38 - —
428-460, bgs., c.l., dlvd lb. .39 - —
461-494, bgs., c.l., dlvd lb. .40 - —
495-529, bgs., c.l., dlvd lb. .41 - .42

Hide glue l.c.l. prices 1c. higher.

Glycerine, nat., crude, saponification, 88%, to refineries, tanks, works lb. .23 - .23¼
soapiye, 80%, tanks, works lb .21 Nom.

Glycerine, refd., BP, 98%, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
dynamite, dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
high gravity, dms., c.l., dlvd. lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —
USP, CP, 95%, dms., c.l., dlvd. lb. .29½- —
l.c.l., dlvd lb. .30 - —
tanks, dlvd lb. .29 - —
yellow, distilled, dms., c.l., dlvd lb. .30 - —
l.c.l., dlvd lb. .30½- —
syn., dms., c.l., dlvd lb. .30½- —
l.c.l., dlvd lb. .31 - —
tanks, dlvd lb. .30 - —

Glycine (see Acid aminoacetic).

Glycerol (see Glycerine).

Glyoxal, 30%, dms., c.l., works lb. .18½- —
l.c.l., works lb. .19 - —
tanks, works lb. .18 - —

Gold chloride, acid-brown, bots oz. 22.50 - 23.00
acid-yellow, bots oz. 20.00 - 20.50

Golden seal root, NF, tested, bls. lb 2.25 - 2.50
powd., bxs lb. 2.75 - 3.25

Graphite, amorph., powd., bgs., fib. dms., ex whse lb. .06 - .09½
crystalline, 88-90%, powd., bgs., fib. dms., ex whse lb. .19 - .21½
90-92%, powd., bgs., fib. dms., ex whse lb. .21 - .24½
95-97%, powd., bgs., fib. dms., ex whse lb. .29 - .31½

Graphite flake, No. 1, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31
No. 2, 90-95%, bgs., fib. dms., ex whse lb. .29 - .31

Grease, brown, tanks, dlvd lb. .05⅜- —
house, tanks, dlvd lb. 06¼- —
white, choice, not all hog, tanks, dlvd lb. .08 - —
yellow, tanks, dlvd lb. .06½- —

Green, brilliant, thioflavin, toner, molybdated, PMA, kgs, works. lb. 5.10 - —
tungstated, PTMA, kgs., works lb. 6.00 - —

Chrome, CP, dark, light, medium, blue content 1 to 15%, bbls., dlvd. N. of Tenn. and N. C., E. of Miss., including St. Paul, Minn., Davenport, Rock Island, St. Louis lb. .38 - —
16-30%, bbls., same basis lb. .39 - —
31-45%, bbls., same basis. lb. .40 - —
45-49%, bbls., same basis. lb. .43 - —
50%, bbls. same basis lb. .48 - —
reduced color, 25%, bbls., same basis lb. .19 - —

Chrome green prices are ½c. higher, dlvd., at the following points, except as noted:—Ala., Fla., Ga., La (Shreveport 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.); Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., dms., c.l., frt. alld lb. 1.00 - 1.10
pure, bgs., c.l., frt. alld lb. .39¼- —
l.c.l., same basis lb. .39¾- —

Green dyes (see Dyes, coaltar).
Malachite, straight, PTMA, bbls., works lb. 4.60 - —
Paris (see Paris green).
Phthalocyanine toner, bbls., works. lb. 3.95 - —
resinated, bbls lb. 3.50 - —
water dispersable, bbls lb. 1.71 - —
Pigment B, kegs lb. 1.35 - —
paste, kegs lb. .38 - —
Grindelia robusta herb, bls lb. .38 - .40
Guaiacol, NF, cryst., dms., tins lb 2.10 - 2.15
liq., cbys., dms lb. 2.30 - 2.40
Carbonate, NF VII, dms lb 3.40 - 3.45
Gum, aloe (see Aloe)
Arabic, amber, sorts, bgs lb. .22 - .23
powd., USP, bbls lb. .27 - .28
Asafetida (see A).
Asphaltum (see A).
Benzoin Sumatra, cs lb. .38 - .42
Camphor (see C).
Cellulose high vis., bgs., 23,000-lb. lots or more, works, frt. alld lb. .55 - —
smaller lots, same basis lb. .57 - —
Copal, Congo, No. 1, bgs lb. .21 - .23
No. 2, bgs lb. .18½ - .20
No. 3, bgs lb. .16½ - .18
Manila C, bgs lb. .42 - .44
CBB, bgs lb. .35 Nom.
DBB, bgs lb. .32 - .34
DK, bgs lb. .22 - .24
dust, bgs lb. .14 - .16
MA, soft, bgs lb. .24 - .26
WS, bgs lb. .34 - .36
Philippine, pale, chips, bgs. lb. .24 - .26
nubs, bgs lb. .34 - .36
seeds, bgs lb. .20 - .22
sorts, bgs lb. .22 - —
Pontianak, chips, bgs lb. .25 - —
nubs, bgs lb. .39 - .40
Dammar, Batavia, AAM, cs lb. .27 - .29
dust, bgs lb. .16½ - .17½
E, bgs lb. .20 - .22
East India, batu, bold, bgs lb. .14 - .15½
nubs and chips, bgs lb. .08 - .09
black, bold, bgs lb. .14 - .16
unscraped, bgs lb .11 - .13
nubs and chips, bgs lb .11 - .13
pale, chips, bgs lb. .13½- .14½
nubs, bgs lb. .18 - .20
Siam, cs lb. .37 - —
Singapore, No. 1, bgs lb. .43 - .45
No. 2, bbls lb. .27 29
No. 3, bbls lb. No stocks.
dust, bgs lb. .16½- .17
seeds, bgs lb. .20 - .22
Ester, gum-rosin type, dms., c.l., dlvd, Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W Va lb. .15½ - —
wood-rosin type, dms., c.l., same basis lb. .15 - —
Karaya, No. 1, NF, powd., bbls lb. .50 - .52
No. 2, powd., bbls. lb. .36 - .38
No. 3, powd., bbls. lb. .32 - .34
Locust bean, powd., bgs lb. .28 - .30
Myrrh, cs lb. .38 - .40
Opium (see O).
Olibanum siftings, cs lb. .15 - .20
tears, cs lb 22 30
Rosin (see Naval Stores, Protective Coatings Market).
Sterculia (see Gum Karaya).
Tragacanth, No. 1, ribbons, cs lb. 3.00 - 3.50
No. 2, cs lb 2.55 - 2.60
No. 3, cs lb 1.75 1.80
powdered, USP, bbls lb 1.25 1.35
Gypsum, plaster of paris, 100-lb. paper, bgs, trucks, dlvd. N. Y. C ton 20.30 - —
terra alba, dom., same basis ton.19.00 - —
works, N. Y. C. ton.16.00 - —
imp. English, 100-lb. paper bags, ex dock, N. Y. C. ton 55.00 —
ex warehouse ton.60.00 - 62.00

H

Hawthorn berries, bgs. lb 28 .32
Heliotropin, cryst., cns lb. 3.50 - 4.25
Hellebore root dom green, bls lb. .55 .65
Helonias root, bls lb. 1.75 - 2.00
Hematine extract, cryst., No. 1, bots., l.c.l. lb .47 - —
No. 2, bbls., l.c.l. lb. .43 - —
No. 3, bbls., l.c.l. lb .41 - —
No. 4, bbls., l.c.l. lb. .39 - —
No. 5, bbls., l.c.l. lb. .37 - —
paste No. 1 bbls. l.c.l. lb. .20½ —
Henbane leaves, bls lb. .35 .40
Heptane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .14¾- —
Borger, Tex gal. .14¾- —
Hesperidin methylphalcone, bots., works lb 50.00 - —
Hexachlorophene, dms lb 2.60 - —
Hexalin (see Cyclonexanol).
Hexamethylenetetramine, tech., bgs., 20,000-lb. lots or more, Perth Amboy or N.Y.C. lb. .222 - —
1,000-19,999-lb. lots lb. .232 - —
smaller lots, same basis lb. .242 - —
fib dms., 1,000-lb. lots or more, same basis lb. .239 - —
smaller lots, same basis lb. .249 - —
USP, dms., 500-lb. lots or more, same basis lb. .40½- —
smaller lots, same basis lb. .41½- —
Hexamine (see Hexamethylenetetramine).
Hexane, indust., tanks, Bayonne, N. J gal. .19 - —
Baytown, Tex gal. .15½- —
Borger, Tex gal. .15½- —
1-Hexanol, dms., c.l., works lb. .34½- —
l.c.l., works lb. .35 - —
tanks, works lb .33 - —
Hexyl cinnamic aldehyde, dms lb. 4.50 - 7.50
Salicylate, dms lb. 1.75 - —
Hexylene, glycol, dms., c.l., dlvd lb. .16 - —
l.c.l., dlvd lb. .17 - —
tanks, dlvd lb. .14 - —
n-Hexyl methacrylate, dms., less than truckload, works lb. .71 - —
Hexyresorcinol, USP, dms., 50-lb. lots or more, dlvd lb.14.00 - —
smaller lots, dlvd. lb 14.50 - —
Histamine diphosphate, USP, bots. kilo.400.00 - —
l-Histidine hydrochloride, NF, fib. dms., 50-kilo lots, works. kilo 80.00 85.00
1-5 kilo lots, works kilo.90.00 95.00
Homatropine hydrobromide, USP bots oz. 8.50 - —
Methylbromide, USP, bots oz. 5.65 - —
Hoofmeal, 17-18% ammonia, bulk, c.l., Chicago unit-ton. 7.00 - —
Horehound herb, bls lb. .16 - .19
Hyoscine salts (see Scopolamine).
Hydrastine bots oz 29.50 31.00
Hydrochloride, NF, bots oz 29.50 31.00
Sulfate, bots oz.35.00 37.00
Hydrastinine 10-grain bots bot 1.35 —
Hydrastis (see Goldenseal).
Hydrazine, free base, ret. dms., Lake Charles, La lb. 3.00 3.30
Hydrate, 100%, ret. dms., Lake Charles, La lb. 1.60 1.90
85% ret. dms., same basis lb 1.35 1.65
Hydrocortisone acetate, bulk, bots., dms. gram 6.00 - —
alcohol, bots., dms. gram 6.00 - —
Hydrofuramide, dms., bbl. gins., works lb .30 - .40

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SUPERFYDE®
(HEYDEN)
A solid polymer of formaldehyde characterized by an extremely low water content, high assay, low reactivity, low solubility, and high melting point. Useful in syntheses requiring formaldehyde, which are prevented or inhibited by traces of water.
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A solid source of formaldehyde, for manufacturing synthetic resins and as a catalyst for cold-setting adhesives. Also used in fungicides, deodorizers, and photographic chemicals.
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Valuable to the synthetic resins industry in the curing of resins. Used as a chemical intermediate and as a hardening agent for casein, glue and other proteins; as a rubber accelerator; for explosives; for fuel tablets; in medicinals. As an amine, it finds use as a neutralizing or deactivating agent.
CONTAINERS
Hexamethylenetetramine Technical
Granular . . Multiwall paper bags, 75 lbs.; Fiber drums, 100 lbs.
Powder . . Multiwall paper bags, 50 lbs.; Fiber drums, 100 lbs.
Hexamethylenetetramine U.S.P.
(Methenamine U.S.P. Powder or Granular)
Fiber Drums, 100, 50 and 25 lbs.

FORMALDEHYDE
(HEYDEN)
Widely used in the production of phenolic, urea, melamine and resorcinol resins; for converting casein, glue and other proteins into plastic products. Increasingly important in manufacture of chemicals and fertilizers. Used in embalming fluids, disinfectants, fumigants, deodorants, and in the leather, fur, paper and textile industries.
CONTAINERS
Formaldehyde Solution N.F.
Tank car . . . . . 72,000 lbs.
Tank truck . . . . . 30,000 lbs.
Drums . . . . .475; 125; 90 lbs.
Carboys . . . . . 100 lbs.
37% Formaldehyde—Methanol Free
Tank cars . . . . 72,000 lbs.
Tank trucks . . . 30,000 lbs.

FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION
342 Madison Avenue New York 17 N Y

Hydrogen chloride, anhyd., 50-lb. cyls., c.l., works	lb.	.45	—
l.c.l., works	lb.	.55	.60
Fluoride anhyd., cyls., dlvd. E.	lb.	.30½	.32½
dlvd. W	lb.	.39	—
tanks, works	lb.	.21	—
Peroxide, USP, bbls., dlvd.	lb.	.03¾	.05
35%, dms., c.l., dlvd.	lb.	.202	—
l.c.l., dlvd.	lb.	.211	—
tanks, dlvd.	lb.	.1800	—
Hydroquinone photo grade, bbls. dms.	lb.	.98	1.00
tech., dms., c.l., dlvd.	lb.	.77½	—
l.c.l., same basis	lb.	.79½	—
Hydroxycitronellal, cns.	lb.	6.10	6.00
Hyoscyamine, bots.	oz.	15.75	-16.00
Hydrobromide, bots.	oz.	11.00	-12.00
Sulfate, bots.	oz.	10.50	-11.50
Hypernic extract, cryst., No. 2, bbls., l.c.l.	lb.	.52	—
liq., No. 1, bbls., l.c.l.	lb.	.35	—
No. 2, bbls., l.c.l.	lb.	.27	—

I

Ichthammol, NF, dms.	lb.	.60	.75
Indian red (see Red, Indian).			
Indigo (see Dyes, coaltar, 1171 Indigo synthetic).			
Indole, CP, bots.	lb.	17.00	-21.00
Inositol, bots., dlvd.	lb.	5.00	—
dms., dlvd.	lb.	4.50	4.75
Insect flowers (see Pyrethrum).			
Iodine, crude, kgs.	lb.	1.43	—
resub, USP, jars, dms.	lb.	2.55	2.57
Iodochlorohydroxyquinolin, USP, dms	lb.	5.90	—
a-Ionone, cns.	lb.	7.15	8.10
b-Ionone, cns.	lb.	6.80	-11.25
Methyl (see under M)			
Ipecac root, bgs.	lb.	8.50	9.00
powd., bbls., bxs.	lb.	9.25	—
Irish moss, bleached, prime, bls.	lb.	.30	.35
Iron Compounds (see Ferric or Ferrous).			
Isoborneol, cns.	lb.	1.25	1.70
Isobornyl acetate, cns.	lb.	.62	.95
formate, dms.	lb.	.80	—
Propionate, dms.	lb.	1.15	1.45
Isobutyl acetate, perfume grade, cns	lb.	.75	1.00
solvent grade dms., c.l. dlvd E. of Rockies	lb.	.13¼	—
l.c.l., same basis	lb.	.14¼	—
tanks, same basis	lb.	.11¼	—
Isobutyraldehyde, CP, dms., c.l., dlvd	lb.	.27½	—
l.c.l., dlvd.	lb.	.28½	—
tech., dms., c.l., dlvd.	lb.	.21½	—
l.c.l., dlvd.	lb.	.22½	—
tanks, dlvd.	lb.	.19½	—
Isoeugenol, cns.	lb.	3.45	4.25
Isoniazid, powd., bulk, 25-kilo lots or more	kilo.	23.00	-25.50
smaller lots	kilo.	24.00	-26.00
Isopentane, comi. grade, tanks, f.o.b. Tex. refy	gal.	.15½	—
Isonicotinic acid hydrazide (see Isoniazid).			
Isophorone, dms., c.l., works	lb.	.24¼	—
l.c.l., works	lb.	.24¾	—
tanks, works	lb	.22½	—
Isopropanol (see Alcohol, isopropyl).			
Isopropyl acetate, dms., c.l., dlvd.	lb.	.12	—
l.c.l., same basis	lb.	.13	—
tanks, same basis	lb.	.10	—
Alcohol (see Alcohol, isopropyl).			
Benzene (see Cumene).			
Ether, dms., c.l., dlvd.	lb.	.07	—
l.c.l., dlvd.	lb.	.08	—
tanks, dlvd.	lb	.05	—
Isopropyl-N-(3-chlorophenyl) carbamate, 70% CIPC in xylol, dms., c.l., t.l., works	lb.	.70	—
l.c.l., works	lb.	.714	.814
Isopropyl-N-phenyl carbamate, 450-lb. fib dms., c.l., t.l., works.	lb.	.75	—
l.c.l., works	lb.	.80	.90
Isopropylamine (see Mono, Di, or Tri-).			
Isoquinoline, dms., works	lb.	.65	1.25

J

Jalap root NF bls.	lb.	.38	.55
powd., bbls., bxs.	lb.	.49	.66
Juniper berries, bgs.	lb.	.18	.20
Tar, NF, dms.	lb.	.42	.60

K

Kaolin (see also Clay China).			
NF, powd., fib. dms.	lb.	.08	.16¼
colloidal, fib. dms.	lb.	.15	.15½
Kola nuts, bgs.	lb.	.12	—

L

Lactose, crude, bgs., c.l., works	lb.	.15	—
edible, fib. dms., 30 000-lb. lots, works	lb.	.22	—
2,000-lb. lots, works	lb.	.22¾	—
200-1,800-lb. lots, works	lb.	.23¼	—
Edible lactose in bgs., 1c. lower.			
USP, fib. dms., 30,000-lb. lots, works	lb.	.24	—
2,000-lb. lots, works	lb.	.24¾	—
200-1,800-lb. lots, works	lb.	.25¼	—
USP lactose in bgs., 1c. lower.			
Lady's slipper root, bls.	lb.	1.70	1.75
Lanolin, cosmetic, dms., works	lb.	.28	.30
USP, anhyd., dms., works	lb.	.26	.28
hydrous, dms., works	lb.	.25	.27
Lard, cash, dms., Chicago	lb.	.12¾	—
Larkspur seed, bgs.	lb.	.20	.23
Laurel leaves, Portuguese, bls.	lb.	.13	—
Turkish, bls.	lb.	.16	.18
n-Lauryl chloride, dist., dms., c.l., works, frt. equaid	lb.	.74	—
l.c.l., same basis	lb	.75	—
Methacrylate, dms., c.l., or t.l., works	lb.	.65½	—
Lavender flowers, medium, bls.	lb.	.55	.60
ord., bls.	lb.	.16	.20
select., bls.	lb.	.90	—
Lead acetate, white, cryst., bbls.	lb.	.22	—
gran., bbls.	lb.	.23	—
powd., bbls.	lb.	.23	—
NF cryst. gran. powd.	lb.	.31	.33
Arsenate, acid powder, dealers, 3-lb. bgs, or larger, c.l., frt. alld. on 96 lbs. or more	lb.	.27½	—
l.c.l., frt. alld.	lb.	.28½	—
1-lb. bgs., c.l.	lb.	.41½	—
l.c.l.	lb.	.42½	—
Blue, basic sulfate, bbls., c.l., shipt. point, frt. alld.	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—
Carbonate (see Lead, white).			
Chloride, dms.	lb.	.45	—
Iodide, NF, V jars	lb.	2.82	—
Linoleate, fused, 26% Pb, dms.	lb.	.33	—
Metal, pigs, prime, N. Y.	lb.	.15	—
St. Louis	lb.	.1480	—
40,000-lb. lots, works	lb.	.33¾	—
Metallic paste, dms., 20,000-10,000-20,000-lb. lots, same basis.	lb.	.34¼	—
2,000-10,000-lb. lots, same basis	lb.	.35¼	—
200-2,000-lb. lots, same basis.	lb.	.35¾	—

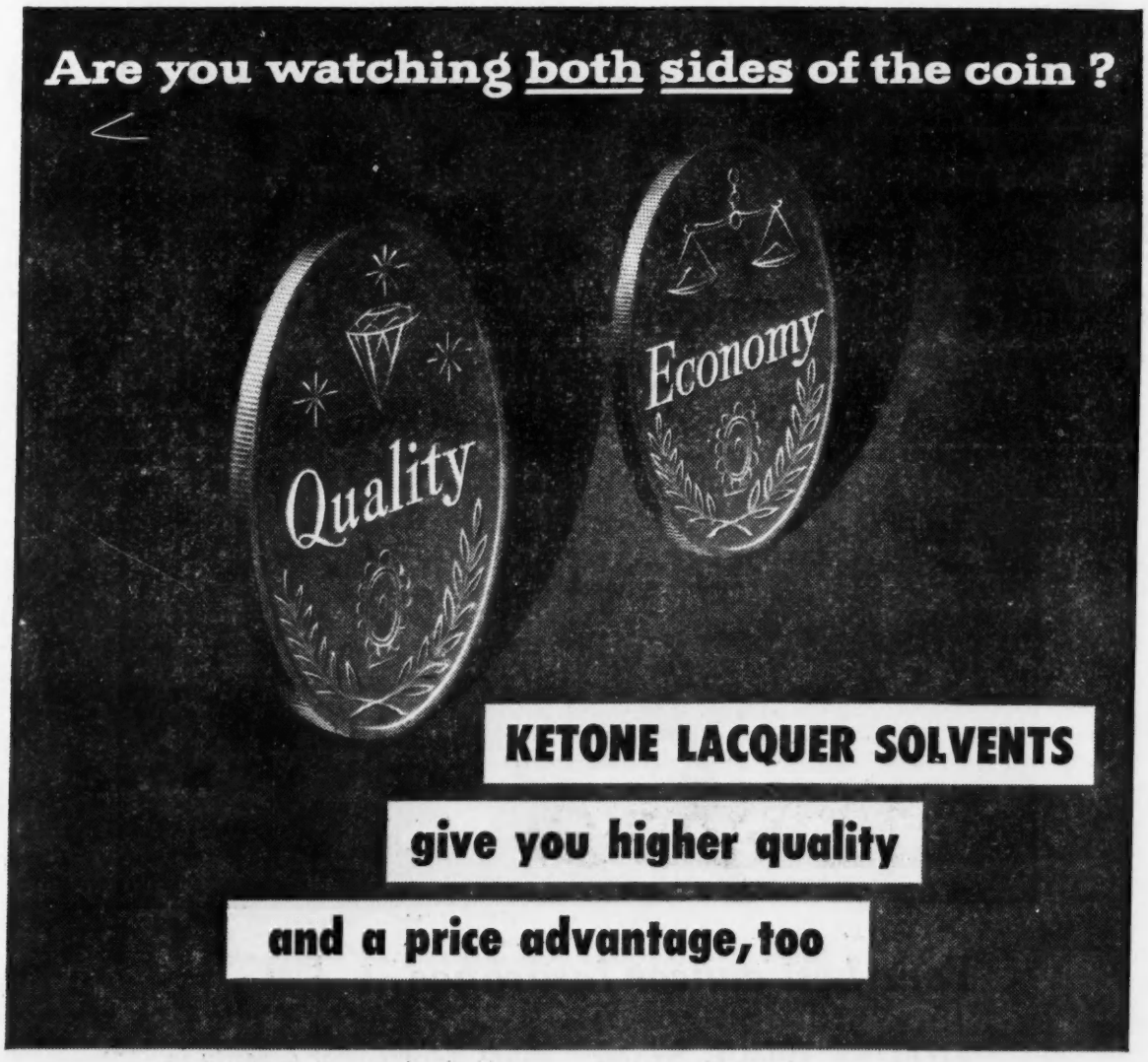
Prices ex whse. Jersey City, N. J., 4½c per lb. higher.

Lead, monosilicate, bgs., c.l., works, frt. equaid	lb.	.1580	—
l.c.l., same basis	lb.	.1630	—
Naphthenate, liq., 16% Pb, dms., dlvd.	lb.	.17	—
24% Pb., dms., dlvd.	lb.	.21	—
solid, 37% Pb., dms., dlvd.	lb.	.27½	—
Nitrate, bbls.	lb.	.22¼	—
Orthosilicate-silica gel, 50-60% PbO, dms., works	lb.	.29¾	.34¼
Peroxide, tech., powd., bbls.	lb.	.38¾	.40¼
Phthalate, dibasic, dms., works	lb.	.41	—
Red, 95%, Pb_3O_4, or less bbls., c.l., works, frt. equaid	lb.	.17½	—
l.c.l., same basis	lb.	.18	—
97% Pb_3O_4, bbls., c.l., same basis	lb.	.17¾	—
l.c.l., same basis	lb.	.18	—
98% Pb_3O_4, bbls., c.l., same basis	lb.	.18	—
l.c.l., same basis	lb.	.18½	—
Resinate, precip., 23% Pb, dms., dlvd	lb.	.32½	—
Salicylate, normal, dms., works	lb.	.46	—
Sulfate (see Lead, blue, basic sulfate, Lead, white, basic sulfate).			
Tallate, liquid, 16% Pb., dms	lb.	.15	—
24% Pb., dms.	lb.	.18½	—
solid, 30%	lb.	.23¼	—
White, basic carbonate, bgs., c.l., shipt. point, frt. alld	lb.	.17½	—
l.c.l., same basis	lb.	.18½	—
silicate, bgs., c.l., shipt. point, frt. alld	lb.	.16	.19¼
l.c.l., same basis	lb.	.17	.20¼
sulfate, bgs., c.l., shipt. point, frt. alld.	lb.	.15¾	—
l.c.l., same basis	lb.	.16¾	—

Lecithin, edible, tech., bleached, non-ret. dms., c.l., works	lb.	.15	.17
l.c.l., same basis	lb.	.15½	.17½
unbleached, non-ret., dms., c.l., same basis	lb.	.13	.15
l.c.l., same basis	lb.	.14½	.16½
dl-Leucine, dms., works	lb.	12.95	-15.00
Licorice root, whole, bbls.	lb.	.10	.12
gran., bbls.	lb.	.15	.17
powd., bbls.	lb.	.12	.15
Lignosulfonate, 70% tannin, bgs., c.l., works	lb.	.06½	—
l.c.l., works	lb.	.06¾	—
Lime, agricultural, bulk, works	ton.	14.50	—
Chemical (quicklime) lump, pebble, bulk, Adams Mass.	ton.	12.50	—
Annville, Pa.	ton.	11.50	—
Bellefonte, Pa.	ton.	11.50	—
Buffalo, N. Y.	ton.	14.00	—
Cedar Hollow, Pa.	ton.	11.50	—
El Paso, Texas	ton.	16.75	—
Farnams, Mass.	ton.	14.00	—
Gibsonburg, Ohio	ton.	12.50	—
Hannibal, Mo.	ton.	10.00	—
Keystone, Ala.	ton.	10.25	—
Kimbalton, Va.	ton.	10.25	—
Knoxville, Tenn.	ton.	10.50	—
Lee, Mass.	ton.	12.50	—
Lewisburg, Ohio	ton.	10.00	—
Limedale, Ark.	ton.	11.00	—
Los Angeles, Cal.	ton.	25.10	-26.84
Marble Cliff, Ohio	ton.	10.00	—
Martinsburg, W. Va.	ton.	11.00	—
McNeil, Tex.	ton.	11.00	—
Mosher, Mo.	ton.	11.25	—
Nelson, Ariz.	ton.	14.50	-23.65

Hydrogen Chloride—Lime, Hydrated, York, Pa.

Lime, chemical (quicklime), lump, pebble, bulk, Quincy, Ill.	ton.	10.00	-13.00
Reddick, Fla.	ton.	13.50	—
Scotrock, Ala.	ton.	10.25	—
Springfield, Mo.	ton.	11.25	—
Winooski, Vt.	ton.	15.50	—
Woodville, Ohio	ton.	11.50	—
York, Pa.	ton.	13.50	—
Hydrated, paper bgs., Adams, Mass.	ton.	15.50	—
Annville, Pa.	ton.	14.50	—
Bellefonte, Pa.	ton.	14.50	—
Buffalo, N. Y.	ton.	16.00	—
Cedar Hollow, Pa.	ton.	14.50	—
Chicago, Ill.	ton.	15.00	—
Duluth, Minn.	ton.	15.00	—
Engle, W. Va.	ton.	14.50	—
Farnams, Mass.	ton.	14.00	—
Gibsonburg, Ohio	ton.	16.50	—
Hannibal, Mo.	ton.	12.00	—
Keystone, Ala.	ton.	13.50	—
Kimbalton, Va.	ton.	13.50	—
Knoxville, Tenn.	ton.	13.00	—
Lee, Mass.	ton.	15.50	—
Lewisburg, Ohio	ton.	14.00	—
Limedale, Ark.	ton.	13.50	—
Marble Cliff, Ohio	ton.	13.50	—
McNeil, Tex.	ton.	14.50	—
Menominee, Mich.	ton.	14.00	—
Mosher, Mo.	ton.	13.50	—
North Tazewell, Va.	ton.	12.75	—
Quincy, Ill.	ton.	10.00	-12.00
Reddick, Fla.	ton.	16.00	—
Scotrock, Ala.	ton.	13.50	—
Springfield, Mo.	ton.	13.50	—
Winooski, Vt.	ton.	15.50	—
Woodville, Ohio	ton.	14.50	—
York, Pa.	ton.	14.50	—



LACQUER SOLVENT SYSTEMS based on *ketones* have so many inherent advantages they have become standard with the nation's foremost formulators of both nitrocellulose and vinyl coatings. Here are a few good reasons why:

- **Complete flexibility in formulating.** You add the latent solvents you prefer.
- **Yield solutions with high solids content**—or permit high diluent content, with either *aromatics* or *aliphatics*.
- **High purity . . .** *at no extra cost.* You get *all* active solvent.
- **Impart excellent flow,** blush resistance, high gloss.
- **Price advantage, too!** Low specific gravity ketones favor *you* when you buy by the pound and sell by the gallon.

The Shell Chemical "quality group" of solvents includes MEK, MIBK, EAK, MIBC, IPA and Ethyl Alcohol. Ask your Shell Chemical representative to help you evaluate ketones for your own formulations.

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Lime, Spray, Adams, Mass.—Methyl Abietate

Lime, spray, paper bgs., Adams, Mass ton.17.00 - —
Annville, Pa ton.17.00 - —
Bellefonte, Pa ton.17.50 - —
Carey, Ohio ton.11.00 - —
Duluth, Minn ton.17.50 - —
Engle, W. Va ton.14.50 - —
Farnams, Mass ton.14.00 - —
Gibsonburg, Ohio ton.16.50 - —
Keystone, Ala ton.13.50 - —
Kimballton, Va ton.13.50 - —
Lee Mass. ton.17.00 - —
Lewisburg, Ohio ton.16.00 - —
Marble Cliff, Ohio ton.16.00 - —
McNeil, Tex ton.14.50 - —
Meneminee, Mich ton.14.00 - —
Mosher, Mo ton.13.50 - —
North Tazewell, Va ton.12.75 - —
Reddick, Fla ton.16.00 - —
Rockland, Me ton.10.00 - —
Springfield, Mo ton.13.50 - —
Scotrock, Ala ton.13.50 - —
Winooski, Vt ton.17.00 - —
Woodville, Ohio ton.16.50 - —
York, Pa ton.15.50 - —

Lime salts (see Calcium).
Lime-ammonia nitrogen 20.5% N (see Ammonium nitrate with dolomite).
Limestone, grd., bgs., works ton 3.50 4.00
Linalool, ex bois de rose oil, dms. lb 7.35 - 7.65
ex lignaloe wood oil, dms lb 5.30 - 7.10
Linalyl acetate, ex bois de rose, 90-92%, dms lb 6.75 - 7.05
96-98%, dms lb 6.75 - 7.15
ex petitgrain, bots lb. 3.90 - 5.25
Lindane, 25% formulation, dealers, dms., works lb 1.58 - —
99%, tech., dealers, dms., dlvd., lb. 3.10 - —
Linden flowers with leaves, bls lb. .30 - —
without leaves, bls lb. .35 - —
Linseed meal, expeller 32-34% bulk, Midwest, mills ton.63.00 - —
extracted, 36%, bulk, same basis, ton. 55.00 -56.00
Litharge, coml., powd., bbls., c.l., works, frt. equald lb. .16½- —
l.c.l., same basis lb. .17 - —
Lithium benzoate, dms th 1.65 - 1.67
Bromide, NF, dms., works, frt. equald lb. 2.16 - —
Carbonate, NF, c.l., dms., works, or dlvd lb. 1.42½- —
l.c.l., same basis lb. 1.43½- 1.48½
tech., c.l., dms., works or dlvd, lb. .90 - —
l.c.l., same basis lb. .95 - 1.15
Chloride, CP, anhyd., ton lots lb. 1.28½- —
tech., cryst., dms lb. 1.10 - 1.25
Citrate, NF, dms lb. 1.60 - 1.64
Fluoride, bbls., 10,000-lb. lots, dlvd, lb. 2.17½- —
ton lots, dlvd lb. 2.18½- —
less ton lots, dlvd lb. 2.23½- —
Hydride, powd., dms., works lb.15.00 - —
Hydroxide, monohydrate, dms., c.l., t.l., dlvd lb. .97½- —
l.c.l., 1-ton lots or more, lb. .98 - .98½
Manganite, dms., works lb. .95 - 1.15
Nitrate, dms., 100-lb. lots lb. 2.25 - —
Salicylate, dms lb. 1.60 - 1.70
Silicate, dms., works lb. 1.10 - 1.30
Sulfate, dms., 100-lb. lots lb. 1.45 - —
Titanate dms., works lb. 1.15 - 1.35
Lithopone, ord., bgs., c.l., dlvd lb. .07½- —
l.c.l., dlvd. lb. .08¼- .08½
Lithopone, titanated (high-strength), bgs., c.l., dlvd lb. .10 - —
l.c.l., dlvd lb. .11 - —
Lithopone prices, Pacific Coast, 1c. per lb. higher.
Lobelia herb, bls lb. 1.25 Nom.
Lobeline sulfate, bots., works oz. 29.50 -33.50
Logwood extract, cryst., No. 1, bbls., l.c.l. lb. .41 - —
No. 2, bbls., l.c.l lb. .39 - —
liq., No. 1, bbls., l.c.l lb. .20 - —
No. 2, bbls. l.c.l lb. .19 - —
No. 3, bbls. l.c.l lb. .18½- —
solid, No. 1, l.c.l lb. .35 - —
Lycopodium, cs. lb. 2.00 - 2.25
dl-Lysine hydrochloride, bots. kilo.140.00 -150.00

M

Mace, Siauw, No. 1, bls lb. 1.40 - —
West Indian, No. 1, bls lb. 1.39 - —
Magnesia, calcined, tech., bgs., ctns., works lb. .25¼- .26
syn., rubber grade, light, bgs., c.l., works lb. .29¼- —
l.c.l., works lb. .30 - —
extra light, works lb. .29¼- .30
USP, light, ctns lb. .35 - .36
heavy, bbls lb. .45 - .52
Magnesite, chemical grade, calcined, powd., bgs., c.l., works, frt. equald ton.82.50 - —
dead-burnt, standard grain, bulk, c.l., Chewalah, Wash ton.38.00 - —
Magnesium bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .10½- —
l.c.l., frt. equald lb. .12 - .13
truckloads, frt. equald lb. .11 - —
Magnesium carbonate, USP, bgs., c.l., frt. equald lb. .12½- —
t.l., frt. equald lb. .13 - —
l.c.l., frt. equald lb. .14 - .15
Above prices are quoted f.o.b. works, freight equalized with metropolitan New York and competitive producing points.
Chloride, anhyd., 92% flake or pebble, dms., c.l., works, lb. .12¾- —
l.c.l., same basis lb. .14 - .15
hydrous, 99% flake, bgs., c.l., works ton.50.00 - —
l.c.l., bgs ton.55.00 -105.00
Gluconate, dms., cns lb. 1.30 - 1.37
Glycerophosphate, dms., works lb. 5.40 - 5.50
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .26½- .30
Metal, 99.8% ingots, cs., works lb. .28½- .297
sticks, cs., works, frt. alld. on carlots lb. .47½- —
Oxide (see Magnesia, calcined)
Peroxide, 15%, dms., works lb. 1.00 - 1.05
Phosphate, tribasic, NF, bbls lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .10
Sulfate, tech., bgs., c.l., works 100 lbs. 2.15 - —
l.c.l., works 100 lbs. 2.90 - 3.15
USP, cryst., bgs., c.l., works, 100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 with-drawal 100 lbs. 3.10 - —
smaller lots 100 lbs. 3.35 - —
Trisilicate, USP, dms., 5,000-lb. lots lb. .38 - —
1,000-lb lots lb. .40 - —
100-lb lots lb. .45 - —
Bulky and super grades of magnesuim trisilicate, 7c. per lb. higher.
Malathion, dms., c.l., works lb. .94 - —
l.c.l., works lb. .96 - .98
Maleic anhydride, dms., c.l., dlvd. E lb. .27 - —
l.c.l. dlvd E lb. .28 - —
tanks, same basis lb. .26 - —
Prices on maleic anhydride W of Rockies, 1½c. higher
Mandrake root, bls lb. .38 - —
Manganese acetate, bbls., dlvd lb. .35 - —
Arsenate, bgs lb .16 - —
Borate, tech., fib. dms lb. .25 - —
Carbonate, bbls., works lb. .22 - —
Chloride, anhyd., dms., works lb. .25½- —
Dioxide, African, 84-87%, 40,000 to 99,999-lb. lots, burlap paper lined, bgs., gross for net, works ton.91.50 - —
paper bgs., works ton.88.00 - —
dms., works ton.94.00 - —
Prices for manganese dioxide in 10,000 to 40,000-lb. lots $3 per ton higher.
Gluconate, dms. lb. 1.79 - 1.93
Glycerophosphate, NF, fib dms lb 4.70 4.80
Hydrate, bbls., dlvd lb. .36 - —
Hypophosphite, NF, dms lb. 3.52 - —
Linoleate, liq., 4.35% Mn., dms. lb. .32½- —
solid, precip., 8.2% Mn, bbls. lb. .37½- —
Metal, cs., dlvd. East lb. .30 .32
Naphthenate, liq., 6% Mn., dms., frt alld lb. .27 - —
Resinate, fused, 3½% Mn, dms. lb. .24 - —
precip., 6½-7% Mn, dms lb. .28 - —
Sulfate, fertilizer grade, 65%, bgs., c.l., dlvd. S. E ton.80.50 - —
l.c.l., dlvd. S. E ton.87.50 - —
Tallate, 6% dms lb. .24 - —
Mangrove bark, E. African, 38% tannin, c.l., ex dock ton.68.50 - —
So. American 30% tannin, c.l., ex dock ton.55.00 -58.00
Mannitol, coml., fib. dms., ton-lots, works lb. .47 - —
dm. to ton lots, works lb. .50 - —
Melamine bgs. ton lots, works lb .53 - —
500 to 2,000-lb lots, works lb .53½- —
smaller lots, works lb. .58½- —
Menadione, USP, bots. gram .06 - .06¼
Menthol, nat., USP, Brazilian, cs lb. 8.85 - 9.00
syn., USP, racemic, cns lb. 5.45 - —
Menthyl salicylate, tins lb. 4.00 - 4.25
2-Mercaptobenzothiazole, bgs., fib. dms. ton lots, works, frt. alld lb. .38 - —
less ton lots, same basis lb. .40 - —
Mercaptobenzothiazyl disulfide, bgs., fib. dms., ton-lots, works, frt. alld lb. .48 - —
less ton lots, same basis lb. .50 - —
Mercuric chloride, NF, cryst., dms., 50-lb. lots or more lb. 4.98 - —
gran. or powd., dms., 50-lb. lots or more lb. 4.78 - —
Cyanide, NF VIII, powd., fib. dms. lb. 6.84 - —
Iodide, red, NF, fib. dms lb 7.72 - —
Oxide, red, NF, powd., fib. dms lb. 5.97 - 6.01
yellow, tech. (see Yellow, mercury oxide).
USP, fib. dms lb. 6.14 - —
Mercurous chloride (see Calomel).
Iodide, yellow, NF lb. 7.72 - —
Mercury, ammoniated (see White precipitate USP).
Metal, 76 lb. per flask, net-flask 321.00 -324.00
Mesityl oxide, dms., c.l., dlvd lb. .1350- —
l.c.l., dlvd. lb. .1450- —
tanks, dlvd. lb. .1150- —
Meta-aminophenol (see m-Aminophenol).
Metachloroaniline (see m-Choloraniline)
Metanitroaniline (see m-Nitroaniline)
Metanitroparatoluidine (see m-Nitro-p-toluidine).
Metaphenylenediamine (see m-Phenylenediamine)
Metatoluidine (see m-Toluidine)
Metatolylenediamine (see 2,4-tolylenediamine).
Methanol, nat., denaturing grade, tanks, frt, alld gal. .70 - —
Prices on natural methanol W of Miss. 3c. higher.
syn., Zone 1, dms., c.l., dlvd., or truckload min., frt. alld. gal. .45 - —
l.c.l., same basis gal. .51 - —
tankwagon, 2-4,000 gals., dlvd., Metropolitan areas gal. .33 - —
tanks, dlvd., or 4,000 gal. min., frt. alld gal. .30 - —
4,000 gal. min., frt. equald. with Camden, N. J gal. .27½- —
Zone 2, dms., c.l., or truckload min., frt. alld. or dlvd gal. .48 - —
l.c.l., same basis gal. .54 - —
tankwagon, 2-4,000 gals. min. dlvd. Metropolitan areas. gal. .36 - —
tanks, 4,000 gal., min., frt. alld. or dlvd gal. .33 - —
Synthetic methanol zones are:—Zone 1 is all continental U. S. E. of eastern boundaries of Ariz., Idaho and Utah. Zone 2 is remainder of U. S. west of above state boundaries, comprising Ariz., Calif., Idaho, Nev., Ore., Utah and Wash.
Methenamine (see Hexamethylenetretramine).
dl-Methionine, fib. dms., frt. alld. 50-lb. or more lb. 3.50 - —
feed grade, 98%, fib. dms., same basis lb. 2.65 - —
Methoxychlor, 50% wettable powder, dealers, dms. cs. frt. alld lb. .61 - .64
Methyl abietate, non-ret. dms., c.l., dlvd. zone 1 lb. .20½- —
l.c.l., same basis lb. .21 - —

Your best cancer insurance...

"LIFETIME" POLICY...See your doctor *every year* for a thorough check-up, no matter how well you may feel.

"DAY-TO-DAY" POLICY...See your doctor *immediately* at the first sign of any one of the seven danger signals that *may* mean cancer *(1) Any sore that does not heal (2) A lump or thickening in the breast or elsewhere (3) Unusual bleeding or discharge (4) Any change in a wart or a mole (5) Persistent indigestion or difficulty in swallowing (6) Persistent hoarseness or cough (7) Any change in normal bowel habits.*

Many cancers can be cured, but only if properly treated *before* they have begun to spread or "colonize" in other parts of the body.

For more information, call the American Cancer Society office nearest you or write to "Cancer" in care of your local Post Office.

American Cancer Society

Methyl abietate, hydrogenated, non-ret. dms., c.l., dlvd. Zone 1..lb. .21 - —
t.c.l., same basis.....lb. 21¼- —
Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio, Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn.; St. Louis, Mo.; Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetone, nat., dms., t.c.l., E. of Miss., frt. alld. gal. .62½- —
syn., dms., c.l., frt. alld, E. gal. .57 - —
t.c.l., frt. alld. E.....gal. .53 - —
tanks, frt. alld. E.....gal. .45 - —
Synthetic methyl acetone E. territory is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory all states west of those four.

Acrylate, dms., c.l., t.l., dlvd..lb. .43½- —
t.t.l., dlvd..lb. .44½- —
tanks, dlvd.....lb. .41¾- —
Alcohol (see Methanol).
Amyl acetate, dms., c.l., dlvd. E..lb. .15 - —
t.c.l., dlvd. E.....lb. .16 - —
tanks, dlvd. E.....lb. .13 - —
Ketone, dms., works.....lb. 1.05 - —
Anthranilate, cns.....lb. 2.50 - 2.65
Benzoate, cns., dms.....lb. .53 - .65
Bromide, jobbers, cyls., various sizes, frt. alld. E lb. .47 - .61
Cellulose, special vis., (1,500-4,000 cps.) 50-lb. bgs., c.l., works. lb. .78 - —
2,000-lb. lots and more, same basis lb. .65 - —
smaller lots, frt. alld. on 100 lbs lb. .89 - 1.00
standard vis., 15,400 cps.), 50-lb., c.l., alld..lb. .66 - —
2,000-lb. lots and more, same basis lb. .72 - —
smaller lots, frt. alld. on 100 lbs lb. .75 - .85
Chloride, indust., cyls., frt. equald. lb. .21 - —
tanks, multi-unit, same basis. lb. .15 - —
single unit, same basis lb. .11¼- —
refrigerator mfrs., cyls., dlvd.lb. .45 - —
other consumers or service men, cyls., dlvd..lb. .62 - —
Cinnamate, cns.....lb. 1.43 - 1.80
Cyclohexanol, dms., c.l., works. lb. .35½- —
t.c.l., works.....lb. .36 - —
tanks, works.....lb. .34 - —
Ethyl ketone, dms., c.l., dlvd..lb. .13 - —
t.c.l., dlvd.....lb. .14 - —
tanks, dlvd.....lb. .11 - —
Formate, refd., dms.....lb. .35 - .40
tech. non-ret. dms., any quantity, works..lb. .10 - —
Heptin carbonate, bots.....lb.33.00 -42.00
p Hydroxybenzoate, fib. dms...lb. 1.90 - 2.00
Ionone, standard, cns., dms...lb. 7.50 - —
Isobutyl carbinol, dms., c.l., dlvd. lb. .15 - —
t.c.l., dlvd.....lb. .16 - —
tanks, dlvd.....lb. .13 - —
Ketone, dms., c.l., dlvd.....lb. .15 - —
t.c.l., dlvd.....lb. .16 - —
tanks, dlvd.....lb. .13 - —
Methacrylate, dms., c.l., t.l. frt. equald with Belle, W. V. lb..36½- —
smaller lots, same basis lb. .37 - —
tanks, same basis.....lb. .35 - —
Naphthyl ketone, cryst., cns lb. 3.60 - 4.30
Parahydroxybenzoate (see Methyl p-Hydroxybenzoate).
Roseaniline chloride, NF fib. dms. lb. 5.44 - —
Salicylate, USP, cns., 50-lb. lots lb. .58 - —
Testosterone, USP, 100-gram bots. gram. .68 - —
2-Methyl-5-ethyl pyridine dms., c.l., works lb. .47½- —
t.c.l., works.....lb. .48 - —
tanks, works.....lb. .46 - —
Methylene blue, fib. dms., 100-lb. lots, frt. adjusted...lb. 3.25 - 3.60
smaller lots same basis lb. 3.40 - 3.60
Chloride, indust., dms., c.l., dlvd. E. lb. .13½- —
Methylionone, A, cns.....lb. 6.55 - 8.80
D, cns.....lb. 7.50 - 9.55
prime, cns.....lb. 4.55 - 6.40
standard, dms., cns.....lb. 3.80 - 4.65
b-Methylnaphthalene, 32°C. m.p., dms., works. lb. .90 - —
Methylparaben (see Methyl parahydroxybenzoate).
Methylpentanediol (see Hexyleneglycol).
Methylphenylpyrazolone (see 1-Phenl-3-methylpyrazolone-5).
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint plastic, 100 mesh, bgs., c.l., works lb. .04¼- —
roofing, 20 to 80 mesh, works.lb. .03 - .04
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .06¼- —
t.c.l., ex-whse. or frt. alld. E lb. .07 - —
paint, or lacq., bgs., c.l., works, frt. alld lb. .07¾- —
t.c.l., ex-whse. or frt. alld. E lb. .08½- —
rubber, bgs., c.l., works, frt. alld. E lb. .07½- —
t.c.l., ex-whse. or frt. alld. E lb. .08½- —
wallpaper, bgs., c.l., works, frt. alld., E lb. .07¾- —
t.c.l., ex-whse. or frt. alld. E lb. .08¼- —
white, extra, fine, bgs., c.l., works, frt. alld. E lb. .07¾- —
t.c.l., ex-whse. or frt. alld. E lb. .08½- —
Mica, wet-grd. W. of Miss R. ½c. higher. W of Rockies, 1c. higher.

Milk powder, non-fat, roller, bgs., c.l. lb. .12 - .1535
spray, bgs., c.l.....lb. .14 - .1610
whole, roller, bgs., c.l.....lb. No prices.
spray, bgs., c.l.....lb. .27 - .31
Sugar (see Lactose).
Mineral spirits (see Petroleum mineral spirits).
Molasses, blackstrap feed grade, tanks, New Orleans..gal. .10 - .10½
New York.....gal. .12 - —
Molybdenum (metal), powd., 80 or 200 mesh, ctns., works. kilo. 8.80 - —
Trioxide, pure, kgs., works...lb. 1.05 - —
tech., kgs., works, basis Mo. content..lb. 1.25 - —
Monobutylamine, dms., c.l., E. of Rockies..lb. .53 - —
t.c.l., same basis.....lb. .56 - —
tanks, same basis.....lb. .53 - —
Monochlorobenzene dms., c.l., frt. alld. or dlvd. E lb. .11½- —
t.c.l., same basis.....lb. .12½- —
tanks, same basis.....lb. .10 - —
Monochlorobenzene prices to the West, 1¼c higher.

Monoethanolamine, dms., c.l., dlvd. E..lb. .27 - —
t.c.l., same basis.....lb. .28 - —
tanks, same basis.....lb. .25 - —
Monoethylaiphanaphthylamine (see N-Ethyl-a-naphthylamine).
Monoethylamine, 70% contained amine, dms., c.l., dlvd E lb. .33 - —
t.c.l., dlvd. E.....lb. .34 - —
tanks, dlvd. E.....lb. .31 - —
Monoethylaniline (see N-Ethylaniline).
Monoethylortho-toluidine (see N-Ethyl-o-toluidine).

Monoisopropylamine, dms., c.l., dlvd. lb. .30¼- —
t.c.l., same basis.....lb. .31½- —
tanks, same basis.....lb. .28½- —
Monomethylamine, 30-35% soln., dms., c.l., frt. equald., 100% basis. lb. .40 - —
t.c.l., frt. equald, 100% basis. lb. .40½- —
tanks, frt. equald, 100% basis. lb. .31 - —
40% soln., dms., c.l., frt. equald, 100% basis lb. .37 - —
t.c.l., frt. equald, 100% basis.lb. .37½- —
tanks, frt. equald., 100% basis. lb. .31 - —
Monosodium fluoroacetate (see Sodium fluoroacetate monobasic).
Glutamate (see Sodium glutamate monobasic).
Phosphate (see Sodium phosphate monobasic).
Mono-tertiary-butylmetacresol (see 6-tert-Butyl-m-cresol).

Morphine, cns.....oz.12.40 -12.60
Acetate, anhyd., cns.....oz. 9.95 -10.00
Hydrobromide, cns.....oz. 9.90 - 9.95
Hydrochloride, NF, cns.....oz. 9.90 - 9.95
Sulfate, USP, cns.....oz. 9.90 -10.05
Morpholine dms., c.l., dlvd. E lb. .54¾- —
t.c.l. dlvd. E.....lb. .55¾- —
tanks, dlvd. E.....lb. .52¾- —
Musk, syn., ambrette, 100-lb. lots, fib. dms..lb. 5.15 - —
25-lb. lots, cns.....lb. 5.20 - —
5-lb. lots, cns.....lb. 5.30 - —
ketone, 100-lb. lots, fib. dms..lb. 5.30 - —
25-lb lots cns.....lb 5.35 - —
5-lb. lots, cns.....lb. 5.45 - —
xylol, 100-lb. lots, fib. dms..lb. 1.40 - —
25-lb. lots, cns.....lb. 1.45 - —
5-lb. lots, cns.....lb. 1.50 - —

Mustard seed, Danish, yellow, bgs lb. .12 - .12½
Dutch, yellow, bgs.....lb. No prices.
English, yellow, bgs.....lb. .12½- .14
Montana, oriental, bgs.....lb. No prices.
yellow, bgs.....lb. .12½- .13
Myrobalans, J-1, assorted, bgs., ex dock..ton.60.00 - —
crushed, bgs., ex dock.....ton.78.00 - —
Bombay, bgs., ex dock.....ton.56.00 - —
extract, Indian, solid, 55% tannin, bgs., ex dock, plus duty..lb. .07¾- —

N

Naphtha, painters (see Petroleum naphtha V. M. & P.)
Solvent (see S).
Naphthalene, crude, dom., 74° tanks, frt. equald lb. .05½- —
78°, bgs., c.l., same basis lb. .06¾- —
t.c.l., same basis.....lb. .07 - —
tanks, same basis.....lb. .06¼- —
imp., 78°, large lots.....lb. .06¾- .07
refd., dms., indust., chipped or or crushed, bgs., frt. equaled..lb. .11½- —
flake, bgs., same basis lb. .12½- —
tanks, same basis.....lb. .10¾- —
refd., balls, flakes, wholesalers, jobbers, bbls., c.l., same basis lb. .13¾- —
cs., 50 lbs., c.l., same basis lb. .14 - —
1-lb. pkgs. c.l. same basis lb. .16¼- —
a-Naphthol, bbls., frt. alld.....lb. 1.00 - —
b-Naphthol, tech., bbls., c.l., works. lb. .34½- —
t.c.l., works.....lb. .36½- —
Benzoate, fib. dms., works.....lb 3.00 - —
custom contract, works...lb 1.65 - —
Salicylate, dms.....lb 5.00 - —
Sulfate, cns.....lb 35.00 - —
a-Naphthylamine, bbls. frt. alld lb 50 - —
b-Naphthylamine, tech., flake, bbls., works lb. 1.60 - —
Neocinchophen USP dms., frt. adjusted lb 7.00 - 8.00
Neomycin, fib. dms., 100-kilo lots, basis, activity gram. .60 - —
1-kilo lots, basis, activity gram. 1.20 - —
Nerolin, cns.....lb. 2.15 - 2.65
Niacin (see Acid, nicotinic)
Niacinamide (see Nicotinamide)
Nickel acetate, bbls., dlvd.....lb. .77 - .90¼
Carbonate bbls., dlvd.....lb. .73¾- .81¾
Chloride, bbls., dlvd.....lb. .38½- .46¼
Formate, bbls., ton lots, frt. alld. lb. .63 - .69
Metal, electro cathodes, cs., works. lb. .64½- —
Nitrate, bbls., works.....lb. .37 - .38
Oxide, black, bbls.....lb. .76 - —
green, bbls.....lb. .76 - —
Sulfate, bgs., c.l., dlvd.....lb. .30¼- —
t.c.l., dlvd.....lb. .31¼- .38¼
Nicotinamide, USP, dms., frt. adjusted kilo.12.00 -12.30
Hydrochloride, dms., frt. adjusted. kilo.11.50 -11.80
Nicotine sulfate, 40%, dealers, 50-lb. dms., frt. alld.....lb. 1.20 - —
manufacturers, 500-lb. dms., frt. alld lb. 1.03 - —
Niger seed, bgs.....lb. .11½- .12
Nikethamide, cbys.....lb. 5.00 - —

CSC LOW-COST INTERMEDIATES IN TANK-CAR QUANTITIES

This versatile trio represents the most economical source of the amine group because of their low equivalent weights and moderate prices. Marketed by CSC in both anhydrous and aqueous forms, they are available for shipment in large-volume quantities (tank cars) as well as in drums and smaller containers. Write for latest Technical Data Sheet. Industrial Chemicals Sales Dept., Commercial Solvents Corporation, 260 Madison Avenue, New York 16, N. Y.

MONOMETHYLAMINE CH_3NH_2

Uses

Manufacture of amide and sulfonated amide-type detergents and surfactants. Synthesis of caffeine, aminophylline and desoxyephedrine. Manufacture of photographic chemicals, the explosive tetryl, amide-type plasticizers, ion-exchange resins, corrosion inhibitors and paint removers.

Properties

Molecular Weight	31.06	
Boiling Point at 760mm, °C	— 6.79	
Flash Point, Tag Open Cup, °F	34	(30% sol)
Density at 20°C	0.912	(30% sol)
Weight per U.S. Gallon at 68°F, lbs.	7.6	(30% sol)

DIMETHYLAMINE $(CH_3)_2NH$

Uses

Raw material in manufacture of thiuram sulfide-type vulcanization accelerators and of dimethyldithiocarbamic acid salts used as fungicides. Neutralizing and solubilizing agent in preparation of concentrated solutions of 2,4-D salts. Manufacture of anti-malarials.

Properties

Molecular Weight	45.08	
Boiling Point at 760mm, °C	6.88	
Flash Point, Tag Open Cup, °F	54	(25% sol)
Density at 20°C	0.921	(25% sol)
Weight per U.S. Gallon at 68°F, lbs.	7.7	(25% sol)

TRIMETHYLAMINE $(CH_3)_3N$

Uses

Preparation of long-chain quaternary ammonium compounds used as softeners, lubricants and waterproofing agents for textiles. Used with benzoyl peroxide to "set" methacrylate resins. Synthesis of cationic surface-active agents.

Properties

Molecular Weight	59.11	
Boiling Point at 760mm, °C	2.87	
Flash Point, Tag Open Cup, °F	38	(25% sol)
Density at 20°C	0.913	(25% sol)
Weight per U.S. Gallon at 68°F, lbs.	7.6	(25% sol)

COMMERCIAL SOLVENTS
260 MADISON AVENUE NEW YORK, N.Y.
CSC INDUSTRIAL CHEMICALS

m-Nitroaniline—Oil, Mustard Seed

m-Nitroaniline, dms., frt. alld lb. 1.08 - —
o-Nitroaniline, flaked, dms lb. .84 - .87
powd., dms lb. .80 - —
p-Nitroaniline, dms., l.c.l., frt. alld. lb. .51½- —
Nitrobenzene, dbl. dist., dms., c.l., frt. alld lb. .12 - —
l.c.l., frt. alld lb. .13 - —
tanks, frt. alld lb. .11 - —
o-Nitrobiphenyl, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Nitrocellulose, ester-soluble, 30-35 cps., ¼, ½, ¾, 5-6, 15 20, 30-40, 60-80, 125-175, secs., bbls., c.l., works lb. .34 - —
l.c.l., same basis lb. .35 - .37
18-25 cps., bbls., c.l., same basis lb. .36 - —
l.c.l., same basis lb. .37 - .39
250-400, 600-1,000 secs., bbls., c.l., same basis lb. .39 - —
l.c.l., same basis lb. .40 - .42
spirit-soluble, 30-35 cps., ¼, ½, sec., bbls., c.l., same basis lb. .41 - —
l.c.l., same basis lb. .42 - .44
5-6 cps., 40-60 secs., bbls., c.l., same basis lb. .40 - —
l.c.l., same basis lb. .41 - .43
Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra but returnable.
o-Nitrochlorobenzene, dms., c.l lb. .20 - —
l.c.l., same basis lb. .21 - —
tanks, same basis lb. .18 - —
p-Nitrochlorobenzene, dms lb. .26 - .27
3-Nitro-4-chlorophenol, dms lb. .75 - —

Nitroethane, dms., dlvd. E of Rockies lb. .25 - —
Nitrogen solution, tanks, frt. equald, 37-40.8% N, 100% basis ton. 130.00 - —
Nitrogenous process tankage, bulk, works unit-ton. 5.25 - —
Sewage sludge, bulk, works unit-ton. 2.93 + .50
Nitromethane, dms., l.c.l., dlvd E. of Rockies lb. .28 - —
a-Nitronaphthalene, bbls, frt. alld. lb. .41 - —
Nitropropane 1, dms., dlvd. E. of Rockies lb. .23¼- —
2, dms., dlvd. E. of Rockies lb. .25 - —
l.c.l., works lb. .24¾- —
tanks, works lb. .22¾- —
o-Nitrophenol, dms., works, frt. equald lb. .94 - —
p-Nitrophenol, dms., works, frt. equald lb. .50 - —
o-Nitrotoluene, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .11 - —
tanks, frt. alld lb. .09 - —
p-Nitrotoluene, dms., works lb. .33 - .36
m-Nitro-p-toluidine, dms lb. 1.59 - —
Nitrous ether, cone., bots 100-lb. lots lb. 1.28 - 1.35
Nonyl phenol, dms., c.l., frt. alld. lb. .26 - —
l.c.l., frt. alld lb. .27 - —
tanks, frt. alld lb. .24 - —
Nutgalls, Aleppo, bgs lb. .36 - .38
Chinese, bgs. lb. No prices.
Nutmeg, East Indian, bgs. lb. .41 - .42
West Indian, bgs. lb. .32 - .32½
Nux vomica, bls lb. .10 - .12
powd., bbls., bxs lb. .15 - .17

O

Octane, indust., tanks, Bayonne, N. J. gal. .19 - —
Baytown, Tex gal. .15¾- —
Borger, Tex gal. .15¾- —
1-Octanol, tech., dms., c.l., dlvd., lb. .35 - —
l.c.l., dlvd lb. .37 - —
tanks dlvd lb. .32½- —
Octyl phenol, bgs., c.l., works lb. .23¼- —
l.c.l., works lb. .23¾- —
tanks, works lb. .22½- —
Drum prices for octyl phenol are 1c. higher.

(Essential oils prices listed below are f.o.b. New York, with differences between high and low quotations due to differences in quantity, quality or in individual suppliers' views.)

Oil, abies, siberica, cns. lb. 2.80 - 3.50
Almond, artif., bitter (see Benzaldehyde).
nat., bitter, F.P.A., bots lb. 3.00 - 3.75
NF, bots. lb. 3.25 - 3.75
sweet, USP, dms., cns lb. .55 - .70
Allspice (see Oil, pimento).
Amyris, dms. lb. 1.40 - 1.95
Angelica root, bots. lb. 66.00 - 100.00
seed, bots lb. 56.00 - 95.00
Aniline (see A).
Anise, USP, dms lb. 3.50 - 5.00
Apricot, kernel, USP, dms. lb. .38 - .45
Avocado, cns. lb. 3.25 - —
Babassu, crude, tanks lb. .15¼- —
Bay, NF, Puerto Rican, 50-55%, cns lb. 1.85 - 2.20
55-60%, cns. lb. 2.10 - 2.50
West Indian, 50-55%, cns., dms., lb. 1.85 - 2.40
Bergamot, nat., NF, Italian, cns. lb. 9.75 -12.00
Birchtar, crude, cns lb. 1.50 - 1.90
rectified, NF, cns lb. 2.00 - —
Oil, bois de rose, Brazil, dms lb. 4.80 - 6.00
Mexican (see Oil, lignaloe wood).
Bone, dms., works lb. .65 - .70
Cajeput, native, cns lb. 1.75 - 2.10
redist., USP, cns lb. 2.25 - 3.00
Calamus, bots lb. 12.00 - 20.00
Camphor, sassafrassy, dms lb. .40 - .60
white, dms. lb. .35 - .50
Cananga, native, cns lb. 7.85 - 10.25
rectified, cns. lb. 12.50 - 14.75
Caraway, NF, cns lb. 3.75 - 5.00
Capsicum (see Capsicum oleoresin).
Cardamom, NF, bots lb. 36.00 - 50.00
Cassia, USP (see Oil, cinnamon, USP).
Castor, blown, dms., c.l. lb. .2000- —
l.c.l. lb. .2050- —
dehydrated, bodied, dms., c.l lb. .2210- —
l.c.l. lb. .2260- —
tanks lb. NP - —
unbodied, dms., c.l. lb. .2060- —
l.c.l. lb. .2110- —
tanks lb. NP - —
hydrogenated, bgs., l.c.l. lb. .2350- .2400
No. 3, tech., dms., c.l. lb. .1650- —
l.c.l. lb. .1700- —
tanks lb. NP - —
No. 1, Brazilian, tanks lb. .12¾- —
sulfonated, 50%, dms., l.c.l. lb. .12 - .12½
75%, dms., l.c.l. lb. .15 - .15½
USP, dms., c.l. lb. .1750- —
l.c.l. lb. .1800- —
tanks lb. N. P. —
refd. and deodorized, dms., c.l. lb. .1900- —
l.c.l. lb. .1950- —
tanks lb. N. P. —
Cedarleaf, cns., dms lb. 2.90 - 3.50
Cedarwood, cns., dms lb 1.00 - 1.65
Celery seed, bots lb. 12.50 - 20.00
Chamomile, blue, Hungarian bots. lb. 170.00 - 250.00
Chinawood (see Oil, tung).
Cinnamon bark, bots lb. 25.00 - 65.00
leaf, cns. lb. 1.75 - 2.25
USP, cns., dms., (Cassia) lb No stocks.
Citronella, Ceylon, cns., dms lb. 1.05 - 1.70
Java, true, dms lb. 1.85 - 2.00
Java-type, cns lb. 1.80 - 2.50
Clove, bud, USP, cns., dms lb. 3.25 - 4.20
leaf, unrectified, dms. lb. 1.50 - 2.20
Coconut, crude, tanks, N. Y. lb. .12¾- —
Pac. Coast lb. .11¾- —
refd., Cochin type, tax incl. ret. dms., l.c.l lb. .20¼- —
deodorized, tax incl. non ret. dms., c.l. lb. .22½- —
Cod, Newfoundland, dms lb. .10½- —
Codliver, USP, dms gal. 1.50 - 1.60
Copaiba, cns lb 1.30 - 2.50
Coriander, USP, bots. lb. 12.50 - 16.00
Corn, crude, tanks, works lb. .13⅛- —
foots (soapstock), acid 95%, tanks, N. Y. lb. .05 - —
refd., salad, dms lb. .18⅛- .18⅜
tanks lb. .16⅜- —
Costus, bots lb. 8.00 - —
Cottonseed, crude, tanks, South-East lb. .13 Nom.
Valley lb. .12¾- —
Texas lb. .12⅜- .12½
foots (soapstock), acid, 95%, tanks, N. Y. lb. .04¾- —
raw, 50%, tanks, same basis. lb. .02¼- —
refd., salad, dms lb. .18 - .18½
tanks lb. .16½- —
Creosote (see Creosote, coaltar).
Crude (see Petroleum, crude).
Cubeb, cns lb. 4.50 - 6.00
Cumin, bots., cns lb. 4.15 - 5.75
Cypress, bots. lb. 5.30 - —
Degras (see D).
Dillseed, bots. lb. 2.80 - 4.25
Dillweed, dom., bots., dms lb. 3.75 - 5.30
Dip (see D).
Erigeron, cns. lb. 5.50 - 7.50
Eucalyptus, NF, rectified, 70-80%, dms lb. .67 - 1.00
80-90%, dms. lb. .85 - 1.25
Fennel, sweet, USP, cns. lb. 2.30 - 3.25
Fir, Canada, cns lb. 2.35 - 3.00
Fish, refd., alkali, dms lb. .1400- .1450
kettle-bodied, dms lb. .1630- .1680
light-pressed, dms lb. .1250- .1300
tanks lb. .1100- —
Fishliver, crude, for feeds or concentrating, 4,000 to 12,000 A units per gram, dms., 1,000,000 units. .08 - .09
10,000 to 20,000 A units per gram, dms., 1,000,000 units. .09 - .10
25,000 to 35,000 A units per gram, dms., 1,000,000 units. .09 - .10
40,000 to 55,000 A units per gram, dms., 1,000,000 units .10½- .11
100,000 A units per gram., dms 1,000,000 units. .12 - .14
200,000 A units per gram., dms 1,000,000 units. .12 - .14
300,000 A units per gram, dms. 1,000,000 units. .12 - .14½
400,000 A units per gram, dms., 1,000,000 units. .12 - .14½
500,000 A units per gram, dms 1,000,000 units. .12 - .14½
Prices above are based on the USP XIV method of conversion, Morton Stubbs Corrected E x 1900.
Fusel (see F).
Garlic, pure, bots. oz. 6.50 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb. 11.75 - 14.50
Bourbon, cns. lb. 11.25 - 14.50
Turkish (see Oil palmarosa)
Ginger, dist., bots lb. 15.00 - 20.00
Grapefruit, dms. lb. 2.50 - 3.25
Grease, No. 1, dms lb. .13¾- .14
extra, winter, strained, dms. lb. .17 - .17½
prime, burning, dms lb. .18½- .19
Guaiacwood, cns lb. 1.40 - 1.90
Hemlock, cns. lb. 2.10 - 2.50
Juniper berry, NF, VIII, bots lb. 2.75 - 4.00
twice rectified, bots lb. 3.60 - 7.00
Tar, NF (see Juniper tar).
Wood, tech., cns lb. .42 - .65
Lard (see Oil, grease).
Laurel leaf, dms., cns. lb 9.75 - 12.50
Lavandin, dms., cns. lb. 2.70 - 4.85
Lavender, flower, USP, French, 30-32% ester, cns lb. 3.53 - 4.60
38-40% ester, cns lb. 9.50 - 13.20
40-42% ester, cns lb. 10.00 - 16.50
Spike, Spanish, cns lb. 1.85 - 2.30
Lemon, USP, Calif., cns., dms lb. 4.75 - 6.15
Messina, cns. lb. 4.85 - 9.80
terpeneless, bots lb. 32.00 - 85.00
Lemongrass, cns., dms. lb. 2.25 - 3.25
Lignaloe wood, Mex., cns lb. 3.70 - 4.60
Lime, dist., Mexican, cns lb. 3.30 - 4.75
West Indian, cs lb. 3.30 - 4.75
expressed, West Indian, cns lb. 7.00 - 8.00
terpeneless, bots lb. 29.50 - 100.00
terpeneless, bots lb 32.00 - 85.00
Linseed, raw, dms., c.l., N. Y. lb. .1515- —
tanks, f.o.b. Minneapolis lb. .1240- —
New York lb. .1365- —
tankwagon, New York lb. .1395- —
Boiled linseed oil, .006c. per lb. higher.
Mace, dist., cns., dms. lb. 2.75 - 3.60
Mandarin (see Oil, tangerine).
Menhaden, crude, tanks, works, Atlantic Coast lb. .08½ Nom.
Gulf and Atlantic ports, f.a.s. lb. .08½ Nom.
Mineral, white (see Oil, white mineral)
Mirbane (see Nitrobenzene).
Mustard seed, nat., dms. lb. .18 - —
art., bots lb. 1.60 - 1.85

How does the champion get to be champion?

By being better! Unmatched through the years is the *California flavor* that distinguishes Exchange Brand Oil of Lemon. That's why Exchange remains the overwhelming sales leader—in fact, the *4-to-1 favorite* over all other lemon oils combined!

So why skimp on quality...Insist on Exchange quality and flavor that come *only* from genuine California lemons, grown and skillfully processed by Sunkist Growers.

Sunkist Growers
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Produced by Exchange Lemon Products Co. • Corona, California
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DODGE & OLCOTT, INC.
180 Varick St., New York 14, N.Y.
FRITZSCHE BROTHERS, INC.
76 Ninth Ave., New York 11, N.Y.

Exchange
OIL OF LEMON U. S. P.

Oil, neatsfoot, 15° cold test, dms. lb. .33 - .34
20° cold test, dms. lb. .32 - .33
30° cold test, dms. lb. .30 - .31
Neroli, NF, French, bots. lb. 85.00 -275.00
Spanish, bots lb. 35.00 -65.00
Nutmeg, USP, dist., East Indian, cns., dms. lb. 2.75 - 4.50
West Indian, cns., dms. lb. 2.60 - 3.50
Ocotea, cymbarum, dms. lb. 1.10 - 1.50
Oiticica, liquid, dms. lb. .14¾- .15¼
tanks lb. .13¼- .13½
Oleo, extra, dms. lb. .15 - .15½
Olibanum, bots. lb. 5.50 - 7.65
extra fine, bots lb. 8.00 - —
Olive, Spanish, edible, dms., duty paid gal. 2.35 - 2.40
Tunisian, same basis gal. 2.15 - 2.20
Orange, sweet, dist., cns lb. .50 - .80
expressed, USP Brazilian, cns., dms lb No stocks
Calif., cns., dms lb. .55 - 1.23
Florida, cns., dms lb. .45 - 1.25
Messina, cns lb 3.85 - 5.85
West Indian, cns., dms lb 2.50 - 3.65
sesquiterpeneless, bots lb 65.00 -120.00
Origanum, Spanish, cns lb. 1.75 - 2.85
Palm, clarif., dms lb. .13 - .13½
kernel, denat., tanks lb. .12½- —
Palmarosa, cns. lb. 8.00 - 9.50
Paraffin, pale, 100-110 vis., at 130° F tanks, East Coast refy gal. .14 - —
Patchouli, dms lb. 8.00 - 9.50
Peach kernel, USP (see Oil apricot kernel).
Peanut, crude, tanks, f.o.b. mills. lb. .16 - —
refd., dms. lb. .21½- .22
tanks lb. .19½- —
Pennyroyal, USP, imported, cns lb. 2.50 - 3.10
Peppermint, nat., dms. lb. 7.75 - 8.90
redist., USP, dms lb 8.10 - 9.50
Persic, USP (see Oil, apricot kernel).
Petitgrain, South American, cns., dms lb. 3.80 - 5.30
Pimento, berry, NF, dms. lb. 4.20 - 8.00
leaf, cns lb. 2.55 - 3.10
Pine, dest-dist., dms., l.c.l., works. lb. .11¼ - —
ex-whse. lb. .1355- —
steam dist., dms. ex whse., N.Y.C. lb. .163 - —
Pineneedle, Siberian (see Oil, abies siberica).
Rapeseed, tankcars lb. .16½- —
Red (see Acid, oleic).
Rice, bran, clarif., dms., l.c.l. lb. .16½- —
tanks, dlvd. E lb. .14½- —
Rose, nat., Bulgarian, bots oz. 43.50 -62.25
Rosemary, Spanish, USP, cns., dms lb. .60 - 1.00
tech., cns., dms lb. 50 - 70
Rue, bots. lb. 2.00 - 2.50
Safflower, dms., c.l., Atl. coast lb. .1910- —
tanks, same basis lb. .1760- —
Sage, clary bots lb 20.00 - 25.00
Dalmatian, cns. lb. 4.90 - 7.20
Spanish, cns. lb. 1.15 - 1.40
Sandalwood, NF, cns lb. 12.50 -14.50
Sardine, crude, tanks, Pac. coast. lb. .09 Nom.
Sassafras, artif., dms lb. 1.00 - 1.40
nat., Brazilian (see Oil ocotea cymbarum).
dom., USP, cns., dms lb. 1.75 - 2.20
Savin, cns. lb. 2.75 - —
Savory, cns lb. 4.25 - —
Sesame, refd., dms lb. .36 - .37
Shingle stain, tar distillate, dms., c.l., works gal. .35 - —
l.c.l., works gal. .44 - —
tanks, works gal. .23 - —
Snakeroot, Canada, cns. lb. 28.50 - 31.00
Soybean, crude, tanks, Decatur lb. .11⅜- —
foots (soapstock), acid 95%, tanks, N. Y. gal. .05½- —
raw, 50%, tanks, N. Y. lb. .02½- —
refd., alkali, dms. lb. .15⅜- .15⅝
tanks lb. .13⅞- —
clarified, dms. lb. .14⅞- .15¼
tanks lb. .13⅜- —
salad, dms. lb. .15⅞- .16⅛
tanks lb. .14⅜- —
Spearmint, USP, dms lb. 4.00 - 5.50
Sperm, bleached winter, 45° dms. lb. .1625- .1650
tankcars lb. .1450- —
nat., winter, 45°, dms. lb. .1525- .1550
tankcars lb. .1350- —
Spruce, cns., dms lb. 2.10 - 2.75
Sweet birch, USP, Nortnern, cns. lb. 4.25 - 9.50
Southern, cns lb. 2.50 - 3.00
Tall, crude, dms., c.l., works lb. .03½- —
tanks, works lb. .02½- —
dist., dms., c.l., works lb. .07½- —
l.c.l., works lb. .07¾- —
tanks, works lb. .06¾- —
refd., dms., c.l., works lb. .06½- .06¾
l.c.l., works lb. .06¾- .07¾
tanks, works lb. .05¼- .05¾
Tallow, acidless, dms lb. .12 - .12⅛
Tangerine, Floridian, dms lb. 2.00 - 2.80
Tansy, dms. lb 7.75 - 9.00
Tar Acid (see T's).
Pine, coml., dms., c.l., works lb. .528 - .538
l.c.l., works lb. .601 - —
whse. lb. .712 - —
tanks, works lb. .427 - .438
rectified, NF, dms., incl., l.c.l., works, South lb. .77 - —
whse., N.Y.C. lb. .87 - —
Theobroma (see Cocoa butter).
Thyme, NF, red, cns., dms lb. 1.70 - 3.75
white, cns lb. 1.95 - 4.00
tech., white, cns lb. .40 - 1.85
Tung, dms., c.l., N. Y. lb. .24½- —
l.c.l., same basis lb. .25 - .25½
tanks, N. Y. lb. .23¼ Nom.
domestic mills lb. .22½ Nom.
Turkey red (see Oil, castor, sulfonated).
Turpentine, NF, cns., dms. lb. 28 - .45
Vetiver, Bourbon, cns lb. 13.25 -17.00
Haitian, cns lb. 11.80 -21.00
Java, cns. lb. 22.50 -40.00
Wheat, germ., 5-gal. dms gal. 10.00 -13.00
White mineral, tech., 50-65 vis., non-ret. dms., c.l., f.o.b. N. Y. gal. .51½- .54½
65-75 vis., non-ret., dms., c.l., same basis gal. 52½- .55
l.c.l., same basis gal. .57½- .58½
80-90 vis., non-ret., dms., c.l., same basis gal. .53½- .56½
l.c.l., same basis gal. .58½- .59½
125-135 vis., non-ret., dms., c.l., same basis gal. .59½- .62½
l.c.l., same basis gal. .64½- .65½
145-155 vis., non-ret., dms., c.l., same basis gal. .66 - .68½
l.c.l., same basis gal. .71 - .71½
175-185 vis., non-ret., dms., c.l., same basis gal. .69½- .72
l.c.l., same basis gal. .74½- .75
USP, 200-210 vis., non-ret., dms., c.l., same basis gal. .73½- .75
l.c.l., same basis gal. .77½- .78
345-355 vis., non-ret. dms., c.l., same basis gal. .77 - .80
l.c.l., same basis gal. .83 - .85
Wintergreen, USP, nat., Northern, cns lb. 6.35 -10.30
Southern, cns lb. 3.20 -19.50
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, cns. lb. 5.00 - 8.00
Wormwood, cns. lb. 5.00 - 6.85
Ylang-ylang, Bourbon, bots. lb. 17.00 -30.00
extra, bots lb. 28.00 -40.00
Madagascar, bots. lb. No stocks
Oleostearine, bbls. lb. .11¼- .11½
Opium, USP, cns lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns. lb. 21.65 -21.90

Orange cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.56 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., include Davenport, Tenn., and E. of Minneapolis, Rock Island, St. Louis, St. Paul lb. .31 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex., El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Dinitroaniline toner lb. 1.30 - —
Mineral, American, bbls., l.c.l., works lb. .2035- .2060
Molybdated, bbls lb. .45 - —
o-Nitroaniline toner, kgs lb. 1.15 - —
Orange peel bitter, Haitian, bls lb. .14 - .16
sweet bls lb. .16 - .18
Orris root Florentine, bls lb. .45 - .50
powd., bbls., bxs lb. .50 - .53
Verona, bls lb. .35 - .40
powd., bbls., bxs lb. .40 - .45
Orthoaminobipnenyl (see o-Aminobiphenyl).
Orthoanisidin (see o-Anisidine).
Orthochloroaniin (see o-Chloroaniline).
Orthochlorobenzaldehyde (see o-Chlorobenzaldehyde).
Orthochloroparanitroaniin (see 2-Chloro-4-nitroaniline).
Orthochlorophenol (see o-Chlorophenol).
Orthocresol (see o-Cresol).
Orthodichlorobenzene (see o-Dichlorobenzene).
Orthonitroaniin (see o-Nitroaniline).
Orthonitrochlorobenzene (see o-Nitrochlorobenzene).
Orthonitrobipheny) (see o-Nitrobiphenyl).
Orthonitroparachlorophenol (see 2-Nitro-4-chlorophenol).
Orthonitrophenol (see o-Nitrophenol).
Orthonitrotoluene (see o-Nitrotoluene).
Orthophenetidin (see o-Phenetidine).
Orthophenylphenol (see o-Phenylphenol).
Ortho-tertiary-amylphenol (see o-tert-Amylphenol).
Orthotolidin (see o-Tolidine base).
Orthotoluidin (see o-Toluidine).
Osage orange, cryst., No. 1, bbls., l.c.l lb. .40 - —
extract, liq., No. 1, bbls., l.c.l lb 19 - —
Ouabain, USP, bots gram. 3.00 - 4.00
Oxyquinolin sulfate, cns., 100-lb. lots, works lb. 4.75 - 5.00
smaller lots, works lb. 4.92 - 5.17

P

Pancreas substance, assay 1:75 bots., 5-lb. lots or more lb. 4.00 - —
Pancreatin, USP bots lb. 1.90 - 2.10
Papain, USP, African, bots lb 4.00 - 4.50
Ceylon lb. 3.00 - 3.50
Papaverine, nat. or syn. hydrochloride, USP, cns., 25 oz. to 100 oz. lots oz 5.00 - —
smaller lots oz. 5.05 - 5.20
Sulfate, cns. oz. 7.10 - 7.35
Paprika, Roumanian, bgs lb. 31 - .33
Spanish, bgs. lb. .36 - .38
Yugoslavian, bgs. lb. .36 - —
Para-aminophenol (see p-Aminophenol).
Para-anisidin (see p-Anisidine).
Parachloroaniin (see p-Chloroaniline).
Parachlorobenzaldehyde (see p-Chlorobenzaldehyde).
Parachloro-orthonitroaniin (see 4-Chloro-2-nitroaniline).
Parachlorophenol (see p-Chlorophenol).
Paracresol (see p-Cresol).
Paradibromobenzene (see p-Dibromobenzene).
Paradichlorobenzene (see p-Dichlorobenzene).
Paraffin, crude scale, white, 121°-123°F ASTM, solid, c.l., refy lb. .0710- —
fully refd., 122°-124°F, ATSM, slabs loose, c.l., refy lb. .0845- —
125°-127°F, ASTM, slabs loose, c.l., refy lb. .0845- —
130°-132°F, ASTM, slabs loose, c.l., refy lb. .0855- —
132°-134° ASTM slabs, loose, c.l., refy lb. .0855- —
135°-137°F., ASTM, slabs loose, c.l., refy lb. .0855- —
Prices for paraffin in bags and ctns., c.l. 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher and under 1,000 lbs. 3.7c. per lb. higher.
AMP temperatures are an arbitrary 3°F. higher than ASTM.
Paraformaldehyde 91% flake, bgs. c.l., frt. alld lb. .10½- —
l.c.l., frt. alld lb. .12½- .13¼
powd., bgs. c.l., frt. alld lb. .15½- —
l.c.l. frt alld lb. .17 - —
USP X, fib. dms., c.l. lb. .183 - —
1,000-lb. lots lb. .193 - —
smaller lots lb. .203 - —
Paraldehyde, tech., 98%, 55-gal. dms., c.l. works lb. .13½- —
l.c.l., works lb. .14½- —
tanks, works lb. .11½- —
Paranitroaniin (see p-Nitroaniline).
Paranitrochlorobenzene (see p-Nitrochlorobenzene).
Paranitrophenol (see p-Nitrophenol).

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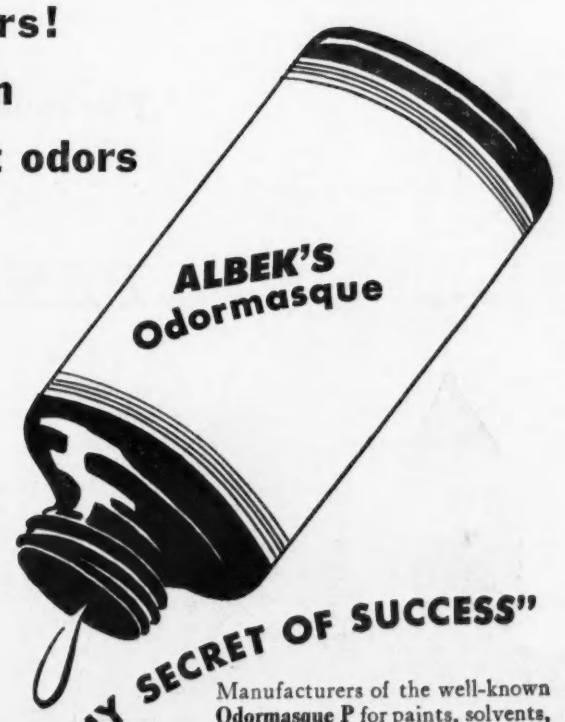
We invite you to submit your particular odor problem, preferably with sample of your product.

We will forward our recommendation without obligation on your part.



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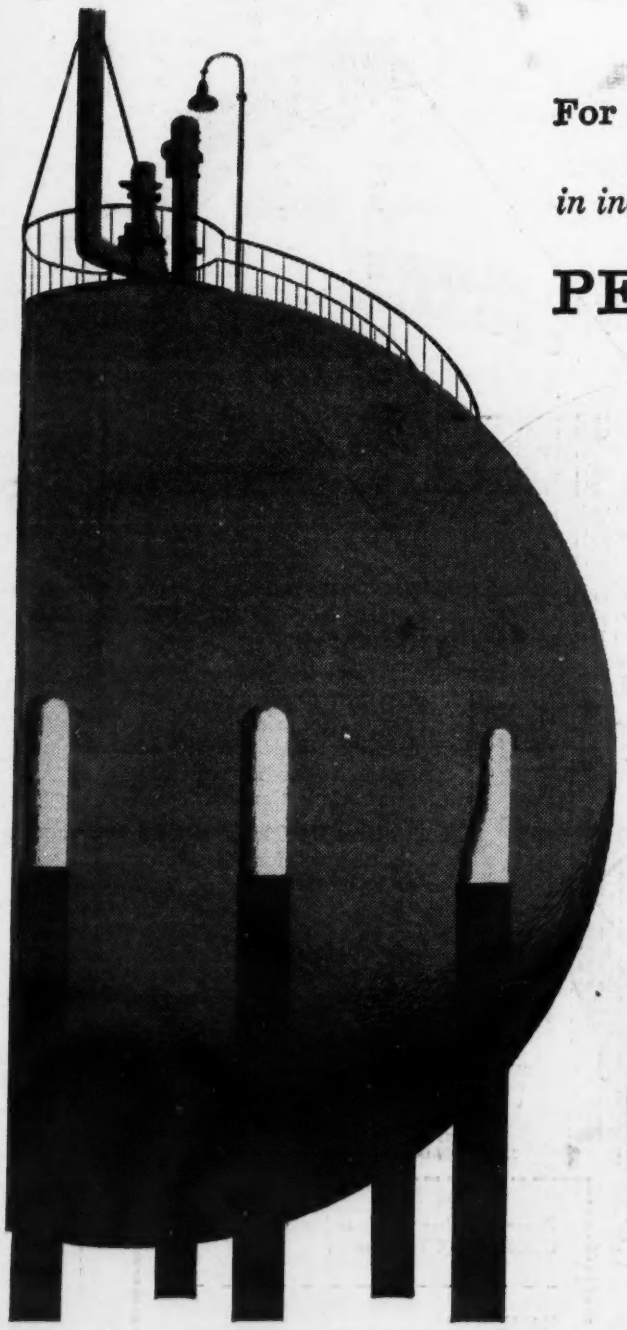
Paranitrotoluene—Phosphate Rock

Paranitrotoluene (see p-Nitrotoluene).
Paraphenetidin (see p-Phenetidine).
Paraphenylenediamine (see p-Phenylenediamine).
Paraphenylphenol (see p-Phenylphenol).
Para-tertiary-amylphenol (see p-tert-Amylphenol).
Para-tertiary butylphenol (see p-tert-Butylphenol).
Parathion, spray powder, 15% dealers, dms., works lb. .50 - .53
tech., dms., c.l., t.l., works lb. 1.3395- —
l.c.l., works lb. 1.51 - —
Paratoluenesulphonamide (see p-Toluenesulfonamide).
Paratoluidine (see p-Toluidine).
Paris green, dealer, distributor, dms. c.l., works, frt. alld. on 96 lbs or over lb. .26 - .40
l.c.l., same basis lb. .37 - .53
Passion flower herb, bls lb .20 - .21
Peanut meal, 45%, old process, bgs., mills ton.80.00 Nom.
Pectin, citrus, NF, powd., bbls lb. 2.05 - 2.06
tech., powd., bbls lb. 1.50 - —
imported, Danish, ex whse lb. 1.28 - —
Penicillin, crystalline, potassium, sterile, bulk, 1,000,000 units. .05 - .06
Procaine bulk 1,000,000 units. .05 - .06
Sodium, sterile, bulk, 1,000,000 units. .05 - .06
Penthachlorophenol, dms., c.l., t.l., works, frt. equald lb. .21 - —
l.c.l., same basis lb. .22½- .29
Pentaerythritol, tech., bgs., c.l., works lb. .32 - —
t.c.l., works lb. .33 - —
Di- and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, Tex. refy gal. .14¼- —
Pepper, black, Malabar, spot, bgs lb. .43½- .44
Red, Gondar, spot, bgs lb. .28 - .30
Japanese, hontaka, bgs lb. .33 - .34
birdseyes, bgs., new crop lb. .55 - .56
Mombasa, bgs., shipt lb. .80 - —
Nigerian, bgs. lb. .33½- —
Turkish, bgs. lb. .20 - —
White, bgs. lb. .59 - .60
Peppermint leaves, USP, dom., bls., dms lb. .70 - .75
imp., bls lb. 1.25 - —
Pepsin, NF, 1:3,000 bulk lb. 3.45 - 3.50
Perchloroethylene, dms., c.l., or truckloads, dlvd. E dm.85.00 - —
dlvd. W dm.88.50 - —
l.c.l., dlvd. E dm.95.00 - —
dlvd., W dm.98.50 - —
tanks, dlvd. E lb. .10¾- —
dlvd. W lb. .11¼- —
Peru balsam, dms lb. 1.50 - 1.75
Petrolatum, amber, dms., c.l., refy. lb. .05 - .05⅜
l.c.l., dlvd lb. .06¾- .07
tanks, refy lb. .03¼- .04½
cream, dms., c.l., refy. lb. .06½- .07½
l.c.l., dlvd lb. .08½- .08¾
tanks, refy lb. .04¾- .05⅛
extra, amber, dms., c.l., refy lb. .05¼- .05⅞
l.c.l., dlvd lb. .07 - .07¼
tanks, refy lb. .03½- .04⅛
USP, white, lily, dms., c.l., refy. lb. .06⅝- .07¼
l.c.l., dlvd lb. .08⅞- .09⅛
tanks, refy lb. .04¾- .06
snow, dms., c.l., refd lb. .07¼- .07⅝
l.c.l., dlvd lb. .09⅛- .09⅜
tanks, refy lb. .05⅜- .05⅞
soft, dms., c.l., refy lb. .06¾- .07⅜
l.c.l., dlvd lb. .08½- .08¾
tanks, refy lb. .05 - .05⅛
yellow, soft, dms., c.l., refy. lb. .05¼- .05¾
l.c.l., dlvd lb. .06⅞- .07⅛
tanks, refy lb. .03½- .05⅛
Petroleum, lacquer diluent, 150°-240°F., b.r., tanks, West Coast, ex tax, Los Angeles, gal. .169 - .204
East coast, N. J., N. Y. gal. .19 - —
Group 3, benzol-type gal. .14125- .14625
toluol-type gal. .13125- .13375
mineral spirits, reg., tanks, California, ex tax, San Francisco gal. .164 - —
East coast, N. J., N. Y. gal. .17 - —
Group 3 gal. .11875- —
tankwagon, Boston gal. .19 - —
Buffalo gal. .195 - —
Chicago gal. .279 - —
Cleveland gal. .22 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Providence gal. .195 - —
odorless, tanks, refy. Watson, Cal. gal. .245 - —
Borger, Tex gal. .24 - —
Houston, Tex gal. .24 - —
Wood River, Ill. gal. .2625- —
dlvd. N. J gal. .32 - —
dlvd. N. Y. gal. .33½- —
tankwagon, N. J., dlvd gal. .36 - —
N. Y., dlvd gal. .37 - —
Naphtha, cleaners, tanks, East Coast, N. J., and N. Y. gal. .17 - —
Group 3 gal. .12875- —
tankwagon, Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
High solvency (see Petroleum solvent, partial aromatic).
VM&P, 225°-300° F, b.r., tanks, West Coast, Los Angeles. gal. .169 - —
Portland, Ore gal. .175 - —
San Francisco gal. .174 - —
Seattle, Wash gal. .175 - —
Petroleum, naphtha, VM&P, 225-300° F, b.r., tanks, East Coast, N. J., N. Y. gal. .18 - —
Group 3 gal. .12875- —
tankwagon, Boston gal. .205 - —
Chicago gal. .289 - —
Cleveland gal. .23 - —
Newark gal. .195 - —
New York gal. .195 - —
Philadelphia gal. .20 - —
Pittsburgh gal. .19 - —
Solvent, partial aromatic, tanks, 205°-282°F. b.r., 41°C. m.a.p., N. Y., N. J gal. .245 - —
212°-278°F. b.r., 43°C. m.a.p., N. J gal. .26 - —
212°-284°F. b.r., 19°C. m.a.p., N. J gal. .29 - —
224°-280°F. b.r., 48°C. m.a.p., Houston gal. .215 - —
273°-361°F. b.r., 29°C. m.a.p., N. J gal. .29 - —
282°-325°F. b.r., 41.5°C. m.a.p., Houston gal. .25 - —
287°-386°F. b.r., 31°C. m.a.p., N. J gal. .29 - —
310°-344°F. b.r., 13.5°C. m.a.p., Texas City gal. .33 - —
310°-348°F. b.r., 17°C. m.a.p., N. Y., N. J gal. .35 - —
320°-360°F. b.r., 16°C. m.a.p., N. Y., N. J gal. .33 - —
324°-349°F. b.r., 37°C. m.a.p., Houston gal. .33 - —
341°-390°F. b.r., 35°C. m.a.p., N. J gal. .27 - —
352°-413°F. b.r., 36°C. m.a.p., Houston gal. .33 - —
352°-410°F. b.r., 16.5°C. m.a.p., Texas City gal. .33 - —
358°-401°F. b.r., 25°C. m.a.p., N. Y., N. J gal. .39 - —
364°-404°F. b.r., 19°C. m.a.p., N. Y., N. J gal. .425 - —
367°-418°F. b.r., 19.6°C. m.a.p., N. Y., N. J gal. .33 - —
Rubber, tanks, Cal., ex tax, San Francisco gal. .173 - —
East Coast, N. J., N. Y., gal. .18 - —
Group 3 gal. .12875- —
Stoddard, tanks, East Coast, N. J., N. Y gal. .17 - —
Group 3 gal. .12375- —
Pennsylvania, western gal. .15 - —
Boston gal. .19 - —
Chicago gal. .289 - —
Cleveland gal. .22 - —
Los Angeles, ex tax gal. .194 - —
Newark gal. .18 - —
New York gal. .18 - —
Philadelphia gal. .185 - —
Pittsburgh gal. .18 - —
Sulfonate, oil soluble, 60-62% sulfonic content, non-ret. dms., c.l., works lb. .16 - .18¼
t.c.l. works lb. .17 - .18½
tanks, works lb. .14 - .16½
50-55% sulfonic content, non-ret. dms., c.l., works lb. .15½- —
l.c.l., works lb. .16½- —
tanks, works lb. .12½- —
o-Phenetidine, dms., works lb. 1.00 - —
p-Phenetidine, dms., works lb. 1.00 - —
Phenobarbital, USP, dms., 100-lb. lots lb. 4.00 - —
Phenobarbital-sodium, USP, dms., 100-lb lots lb. 4.00 - —
Phenol, 90-92% (cresol 8-10%), non-ret. dms. c.l. frt alld E. of Rockies lb. .15¾- —
l.c.l., same basis lb. .16½- —
tanks, same basis lb. .14 - —
82-84% (cresol 16-18%), non-ret. drums, c.l., same basis lb. .15¼- —
l.c.l., same basis lb. .16 - —
tanks, same basis lb. .13½- —
39° or above, tar distilled, non-ret. dms., c.l., same basis lb. .17¼- .17¾
l.c.l., same basis lb. .18 - .18½
tanks, same basis lb. .15½ —
USP, syn., dms., c.l., frt. alld. lb. .17¾- —
1,000-lb. lots or more, same basis lb. .18½- —
less than 1,000-lb. lots, same basis lb. .19¼- —
tanks, same basis lb. .16 - —
Phenolphthalein, USP or yellow, bbls., dms., 2,000-lb. lots. lb. 1.10 - —
smaller lots lb. 1.12 - 1.17
Phenothiazine, NF, fib. dms., c.l., frt. adjusted lb. .45 - —
over 2,100 lbs., same basis lb. .47 - —
less than 2,100 lbs., same basis. lb. .49 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol.)
Phenylacetaldehyde, soln., 50%, bots lb. 2.40 - 2.70
100%, bots lb. 4.00 - 4.65
Phenylacetamide, 125-lb. dms., works lb. 1.10 - —
smaller dms., works lb. 1.15 - 1.10
dl-Phenylalanine, dms., works lb.27.00 -37.50
1-Phenyl-3-carbethoxy pyrazolone-5, 250-lb. fib. dms., dlvd. E lb. 3.60 - —
smaller dms., dlvd. E lb. 4.00 - —
Phenyldiethanolamine, dms. c.l., dlvd E. lb. .40 - —
l.c.l., dlvd. E lb. .41 - —
m-Phenylenediamine, dms., frt. alld. lb. .90 - —
o-Phenylenediamine, coml., 100-lb. fib. dms., works lb. 2.20 - —
p-Phenylenediamine, redist., dms., works lb. 2.00 - —
tech., refd., dms., same basis lb. 1.10 - 1.35
Phenylethanolamine, dms., c.l., works lb. .69¼- —
l.c.l. same basis lb. .70 - —
Phenylethyl acetate, bots lb. 1.35 - 1.95
b-Phenylethylamine, dms., 1,000-lb. lots, works lb. 1.10 - —
smaller lots, works lb. 1.15 - 1.40
Phenylethylphenyl acetate, bots lb. 3.95 - 4.40
Phenylhydrazine base, CP, bots lb. 3.00 - 3.07
Hydrochloride, coml., kgs., works. lb. 1.75 - —
purif., bots., works lb. 5.17 - —
1-Phenyl-3-methyl pyrazolone-5, 250-lb. lots, dlvd. E lb. 1.70 - —
smaller lots, dlvd lb. 2.00 - —
o-Phenylphenol, dms., l.c.l., works lb. .42 - .44
p-Phenylphenol, bgs., c.l., works lb. .35 - —
l.c.l., works lb. .39½- —
Phloroglucinol, coml., fib. dms., works lb. 6.40 - —
C.P., bots., works lb.17.75 - —
tech., tin dms., works lb.10.45 - —
Phosphate, defluorinated (see under D).
Rock, Curacao, Atlantic ports, New Orleans ton.43.00 - —
Florida, land pebble, run-of-mine, washed, dried unground, bulk, c.l., mines, 68-66%, b.p.l., bulk, c.l., mines long ton. 4.60 - —
70-68%, b.p.l., c.l., same basis long-ton. 5.00 - —
72-70%, b.p.l., c.l., same basis long-ton. 5.65 - —
75-74% b.p.l., c.l., same basis long-ton. 6.65 - —
78-76%, b.p.l., c.l., same basis long-ton. 7.65 - —

The above prices are based on fuel oil at $2.20 per bbl. and labor at $1.28. The 3c. labor advance and 9c fuel oil advance currently absorbed.



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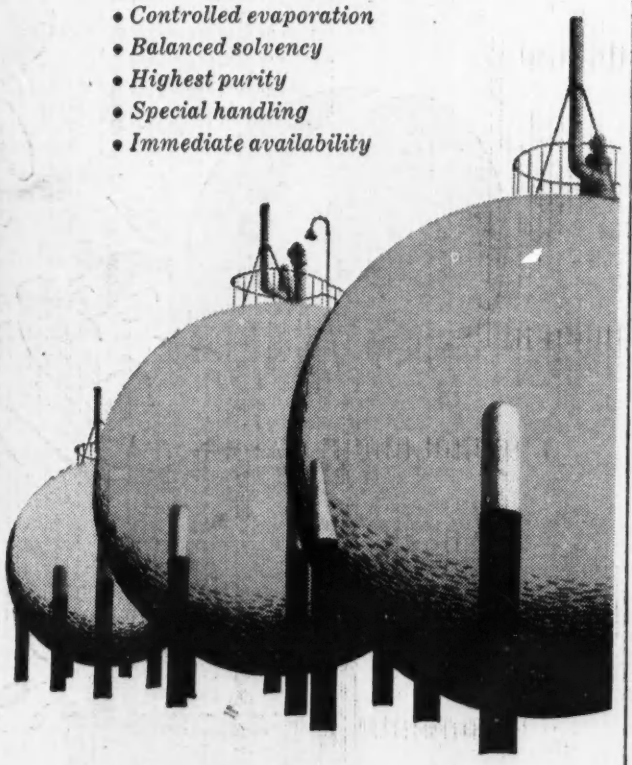

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Potas

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Phosphorus, amorph., red, dms., t.l.	lb.	.43	—
smaller lots	lb.	.44	.45
white (yellow), solid, dms., c.l., works, frt. equald	lb.	.20	.20½
l.c.l., dms., works, frt. equald.	lb.	.21	.21½
tanks, works, frt. equald	lb.	.17	.19
Oxychloride, dms., c.l., works	lb.	.14	—
l.c.l., dms., works	lb.	.17	—
tanks, works	lb.	.12½	—
Pentasulfide, solid, dms., c.l., works	lb.	.11½	—
l.c.l., dms., works	lb.	.13	.13½
Pentoxide, dms., c.l., works	lb.	.13½	—
l.c.l. works	lb.	.16½	—
Sesquisulfide, tins, cs., works	lb.	.29	—
export, dms	lb.	.31	.36
Trichloride, dms., c.l., works	lb.	.14	—
l.c.l. works	lb.	.17	—
tankcars, works	lb.	.12½	—
Phthalic anhydride, ogs, c.l., works, frt. equald	lb.	.20	—
l.c.l., same basis	lb.	.20	—
tanks, same basis	lb.	.19½	—
Phthalimide, 97%-98%, dms., works, frt. alld	lb.	.68	.70
Phthalylsulfacetamide, 1,000-lb. lots or more	lb.	5.00	—
a-Picoline, ret., dms., c.l., works, frt. equald	lb.	.43	.43½
l.c.l., works, frt. equald	lb.	.44	—
tanks, same basis	lb.	.415	.422
b,g-Picoline, 5° dms., c.l., works	lb.	.32½	—
l.c.l., works	lb.	.33	—
g-Picoline, 98%, dms., c.l., works	lb.	2.65	—
Pilocarpine hydrochloride, NF, bots	oz	5.25	—
Nitrate, USP, bots., vials	oz.	4.80	4.90
Pimento, Jamaican, bgs	lb.	.91	—
Mexican, bgs.	lb.	.73	.74
Pink root, bls.	lb	3.00	3.25
d-Piperazine hexahydrate, French Codex, bots	kilo	8.00	8.50
Piperidine 98% dms., frt. equald.	lb	2.90	3.00
Piperonyl butoxide, dms., dlvd. E	lb.	4.50	5.05
Cyclonene, dms., dvld. E	lb.	3.70	4.25
Pitch, coaltar, 150°-170°F. m.p., tanks, works	ton.	35.00	—
Cottonseed, raw, dms., works	lb.	.02¼	.03
Linseed, dms	lb.	.06	Nom.
Marine, dms.	lb.	.04¼	.05
Petroleum (see Asphalt, petroleum).			
Soybean, dms., works	lb	.05	Nom.
Tall, dms., works	lb.	.03¾	.04½
Plaster of Paris (see Gypsum).			
Platinum metal, works	oz.	78.00	80.00
Pleurisy root, bls	lb	45	.50
Podophyllum resin, NF, dms	lb.	11.95	—
Poke root, bls	lb.	.19	.22
Polymyxin, bulk, bots., dms., 50 billion units or more, 1,000,000 units.		.52	—
25-50 billion units 1,000,000 units.		.54	—
1-25 billion units 1,000,000 units.		.56	—
Polyoxyethylene sorbitan monostearate, dms., 20,000-lb. lots, works	lb.	.41	—
10,000-20,000-lb. lots, works.	lb.	.43	—
smaller lots, works	lb.	.46	.48
tristearate, dms., 20,000-lb. lots, works	lb.	.41	—
10,000-20,000 lb. lots, works.	lb.	.43	—
smaller lots, works	lb.	.46	.48
Poppy seed, Dutch, bgs	lb.	.27½	—
Iranian, bgs.	lb.	.19	—
Polish, bgs.	lb.	.27	—
Turkish, bgs.	lb.	.24	—
Potash, caustic, reg., flake, 88-92%, dms., c.l., works	100 lbs.	9.15	—
l.c.l. works	100 lbs	10.20	—
liq., 45% basis, dms., c.l., works	100 lbs.	4.25	—
l.c.l., same basis	100 lbs	5.05	—
tanks, same basis	100 lbs.	3.70	—
solid, 88-92%, dms., c.l., works	100 lbs.	8.70	—
l.c.l., works	100 lbs.	9.75	—
Potassium acetate, NF, dms	lb.	.31	.36
Bicarbonate, USP, gran., dms	lb.	.22	—
powd. dms	lb.	.24	—
Bichromate, bgs., c.l., works	lb.	.15	—
l.c.l., works	lb.	.15½	—
Potassium bichromate in dms. ¾c. higher.			
Bitartrate, NF, dom., gran. or powd., bbls., 5,000 lbs. 1 shpt	lb.	.36½	—
dms., c.l.	lb.	.36	—
smaller lots	lb.	.37	.40
imp., kgs	lb.	.27¾	.28
Bromate, dms., 1,000 lbs. or more.	lb.	.47	—
25-200-lb. lots	lb.	.57	.63
Bromide USP gran. bbls., kgs.	lb.	.35	.36
Carbonate, tech., calcined, bbls., c.l., works	100 lbs.	9.00	—
l.c.l., same basis	100 lbs.	10.05	—
hydrated, 83-85%, bbls., c.l., works	100 lbs.	7.60	—
l.c.l., works	100 lbs.	8.65	—
USP, gran., bbls., dms	lb.	.16½	.18
powd., bbls., dms	lb.	.21	.23
Chlorate, cryst., dms., c.l., works	lb.	.10¼	—
l.c.l., works	lb.	.11½	.12
powd., dms., c.l., works	lb.	.10¾	—
l.c.l., works	lb.	.12	.12½
export, dms., New York	lb.	.12¾	.13½
NF gran. dms	lb	.32	.33
Chloride, USP, cryst., dms	lb.	.21	.23
gran., dms	lb.	.15	.17
powd. dms	lb.	.24	.26
Chromate, tech., bgs	lb.	.50	.50½
Citrate, USP gran., dms	lb.	.41	—
powd., dms	lb.	.40½	.41½
Cyanide, dms., 20,000-lb. lots or more, works	lb.	.45	—
2,000-19,999-lb. lots	lb.	.455	—
smaller lots, works	lb.	.465	—
Dichromate (see Potassium bichromate).			
Ferricyanide, drums, ton lots	lb.	.50	—
Ferrocyanide, bgs., ton lots	lb.	.22½	—
smaller lots	lb.	.23	—
Fluorborate, fib. dms., c.l., works	lb.	.30	—
l.c.l., works	lb.	.31	—
Fluoride, dms., works	lb.	.37	.38
Gluconate dms	lb.	.75	.79
Glycerophosphate, 75% solution, cbys.	lb.	2.15	2.25
Guaiacolsulfonate, NF, dms	lb.	2.10	2.30
Hydroxide, tech. (see Potash caustic).			
USP, pellets 100-lb. dms. 1 to 100-dm. lots	lb.	.28½	.30
Hypophosphite, NF, fib. dms., ton lots or less	lb.	1.00	1.03
Iodide, dms.	lb.	2.15	2.20
Manure salt 22% K_2O, bulk, mines	unit-ton.	.19	—
Metabisulfite, gran., dms	lb.	.20	.21
powd. dms	lb.	.25	—
Muriate, dom., 50-60% K_2O, bulk, Carlsbad, N. M.	unit-ton.	.39½	.40½
50-51% K_2O paper bgs., Carlsbad, N. M	ton.	24.50	—
Nitrate, cryst., bbls., 10,000-ton lots	100 lbs.	14.40	—
smaller lots	100 lbs.	14.65	14.90
gran., bbls., 20-ton lots	100 lbs.	9.75	—
smaller lots	100 lbs.	11.10	11.50
powd., bbls., 20-ton lots	100 lbs.	10.75	—
	100 lbs.	10.75	—
smaller lots	100 lbs.	12.00	12.50
NF, gran., dms	lb.	.09¾	.11¼

Potassium nitrate in bags, 50c. per 100 lbs. less in kegs, $1 more.

Potassium oxalate, neutral, tech., fine gran., bbls., dms	lb.	.30	.32
Pentaborate, gran., bgs., c.l., works	ton.	189.00	—
dms., ton lots, ex whse	ton.	293.50	—
smaller lots, ex whse	ton.	298.00	—
Powdered Potassium penetoborate, $10.25 per ton higher.			
Perchlorate, dms., c.l., works	lb.	.16	—
l.c.l., works	lb.	.16½	—
Permanganate, tech., dms., works,	lb.	.22¼	.23½
USP dms. works	lb.	.24¾	.30¼
Persulfate, dms., 5-ton lots, works,	lb.	.18	—
1-ton lots, works	lb.	.20	—
Phosphate, tetrabasic, bbls., works	lb.	.16½	.18½
Prussiate, red (see Potassium Ferricyanide). yellow (see Potassium Ferrocyanide).			
Silicate, glass, bgs., c.l., works	100 lbs.	17.00	—
l.c.l.	100 lbs.	17.80	—
soln., clarif., 29° Be, 1:2.5, dms., c.l., works	100 lbs.	5.80	—
l.c.l., 5 dms., or more, works	100 lbs.	6.55	6.95
tanks, works	100 lbs.	5.45	—
electrical grade, 29° Be, 1:2.0 dms., c.l., works	100 lbs.	6.50	—
l.c.l., 5 dms or more, works	100 lbs.	7.25	7.65
tanks, works	100 lbs.	6.15	—
40.5° Be, 1:2.1, dms., c.l., works	100 lbs.	6.45	—
l.c.l., 5 dms. or more, works	100 lbs.	7.20	7.60
tanks, works	100 lbs.	6.10	—
Silicofluoride, bbls., works	lb.	.09	.10
Stannate, dms., frt. alld. E	lb.	.67	.736

Potassium sulfate, agricultural, 49-51% K_2O bulk, works	ton.	35.00	—
NF VII cryst. dms	lb	.31	.33
gran. dms.	lb.	.18½	—
powder dms.	lb.	.16½	.17
Sulfocyanide, NF, cryst. (see Potassium thiocyanate).			
Thiocyanate, NF, cryst., dms	lb.	.84	.94
tech., works	lb.	.77	.79
Titanate, ctrs., c.l., works	lb.	.14	—
5-ton lots, works	lb.	.14½	—
1-ton lot or less works	lb.	.14¾	—
Toluene sulfonate, dms., c.l. or tl. works	lb.	.42	—
l.c.l., works	lb.	.46	—
Potassium-magnesium sulfate, bulk, works basis 40% K_2SO_4, 18% MgO	ton.	15.05	—
Potassium-sodium tartrate, NF, gran., powd., dms., c.l.	lb.	.36½	—
5,000-lb. lots	lb.	.37	—
smaller lots	lb.	.37½	.42½
Potassium-titanium fluoride, fib. dms., works	lb.	.39	.40
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50	—
l.c.l., works	lb.	.52½	.55
Pregnenolone, bots	gram.	.45	—
Acetate, bots	gram.	.40	—
Procaine hydrochloride, USP, dms., 1,000-lb. lots, frt. alld	lb.	2.90	—
100-lb. lots	lb.	3.00	3.60
Progesterone, USP, bots., 100 gram lots	gram.	.50	—
Acetate, bots	gram.	.70	—
Propane, indust., tanks, group 3,	gal.	.02½	—
N. Y. Harbor	gal.	.07¾	—

Phosphorus—Pumice, Dom.

n-Propyl acetate, dms., c.l., dlvd	lb.	.12¾	—
l.c.l., dlvd	lb.	.13¾	—
tanks, dlvd	lb.	.1075	—
Gallate, dms., 100 to 2,000-lb. lots, works	lb	3.90	4.40
n-Propyl p-hydroxybenzoate, USP, dms.	lb.	2.30	2.40
Thiouracil, bots., 50-kilo lots or more	kilo.	55.00	—
smaller lots	kilo.	55.10	55.30
Propylene dichloride, dms., c.l., dlvd. E	lb.	.0845	—
l.c.l., same basis	lb.	.095	—
tanks, same basis	lb	.07	—
Prices in West 1c higher dlvd., on same basis.			
Glycol, indust., dms., c.l., dlvd. E	lb.	.14¾	—
l.c.l., same basis	lb.	.15¾	—
tanks, same basis	lb.	.13	—
USP, dms., c.l., dlvd. E	lb.	.16¾	—
l.c.l., same basis	lb.	.17¾	—
tanks, same basis	lb.	.15	—
Methyl ether, dms., c.l., dlvd	lb.	.20	—
l.c.l., same basis	lb.	.21	—
tanks, same basis	lb.	.18½	—
Oxide, dms., c.l., dlvd. E	lb.	.17	—
l.c.l., dlvd. E	lb.	.18	—
tanks, dlvd. E	lb.	.15	—
Psyllium seed, black, bgs	lb.	.80	—
blonde, bgs.	lb.	.18	.20
husks, bgs	lb.	.45	.50
Pumice, dom., grd., coarse to fine, 0, ½, 1, 1½, 2, 3, bgs., ton lots	lb.	.02¾	.04¼
smaller lots	lb.	.03¾	.04½

There's more to buying

PHENOL

than meets the eye!

● You get unseen benefits in specifying RCI PHENOL.

The very fact that Reichhold is one of the world's most rapidly growing chemical firms provides you with a very real advantage in doing business with us. We're proud of our position. To continue such development, we know we've got to give outstanding service. We've equipped ourselves to do just that . . . with a huge manufacturing set-up, well-stocked warehouses a short distance from any part of the U. S., and expert technical assistance available from our many plants and sales offices.

As for performance, RCI PHENOL couldn't be better. The outstanding reputation Reichhold enjoys as a quality producer spells satisfaction for you.

If you make . . . plastics, plasticizers, synthetic resins, insecticides, disinfectants, explosives, dyes, lubricating oil additives or pharmaceuticals, investigate RCI PHENOL (shipped in drums and tank cars). Write us for further details.

RCI

Creative Chemistry . . .
Your Partner
in Progress

Phenol starts its trip to a customer from a siding at RCI's Tuscaloosa plant where it is being loaded into a tank car.

REICHHOLD

Synthetic Resins • Chemical Colors • Industrial Adhesives • Plasticizers
Phenol • Formaldehyde • Glycerine • Phthalic Anhydride • Maleic Anhydride
Sodium Sulfate • Sodium Sulfite • Pentaerythritol • Pentachlorophenol

REICHHOLD CHEMICALS, INC., RCI BUILDING, WHITE PLAINS, N. Y.

Pumice, Imp.—Sesame Seed

Pumice, imp., Italian, silk-screen, coarse, bgs., ton lots lb. .06½- —
fine, bgs. ton lots lb. .04 - —
sun dried, coarse, bgs. ton lots lb. .02½- .04
fine bgs. ton lots lb. .02½- .04
Pumpkin seed, bgs lb. .25 - .26
Pyrethrin, syn., (see Allethrin)
Pyrethrum flowers, fine grd., 0.9% pyrethrins, bbls., works lb. .45 - —
powd., 1.3% pyrethrins, bbls., works lb. .65 - —
liq. 20/1 basis (2 grams pyrethrins per 100cc odorless base), dms., works gal. 8.35 - 8.55
100/1 basis (10 grams pyrethrins per 100cc odorless base), dms., works gal. 41.75 -42.75
oleoresin, dewaxed, 20%, dms., works lb. 9.80 - 9.90
purif., 20% dms., works lb. 10.00 -10.10
Pyridine, denaturing, dms., c.l., works and frt. equald gal. 2.77 - —
l.c.l., same basis gal. 2.80 - —
refd., 2°, non-ret. dms., l.c.l., same basis lb. .75 - —
Pyridoxine hydrochloride, bots., 100-gram lots gram .55 - —
Pyrites, Canadian, works long-ton 3.00 - 5.00
Pyrocatechol (see Catechol).
Pyrogallol, NF lb. 3.25 - 3.45
Pyroxylin, scrap, ungrd., amber, dms., works lb. .20 - —
black, dms., works lb. .12 - —
mixed, mottled, dms., works lb. .13 - —
Pyroxylin, shavings, amber, cs., works lb. No stocks.
mixed colors, dms., works lb. .11 - —
white, china, ivory, dms., works lb. .16 - —
dense, opaque, dms., works, lb. .12 - .15
translucent pastels, cs., works, lb. .14 - —
transparent colorless, dms., works lb. .25 - —
colors, dms., works lb. .15 - —
USP, bots lb. 9.50 - —

Q

Quassia chips lb. 17 - —
Quebracho extract, clarif., grd., 70% tannin bgs. c.l., lb. .16½- .16¾
liq., 35% tannin, bbls., works, lb. .08¼- —
solid., clarif., 64% tannin, bgs., c.l., ex-dock, duty extra lb. .12 23/64- —
ord., 63% tannin, bgs., c.l., same basis lb. .11 21/32- —
Quercitron extract, cryst., No. 1, bbls., l.c.l. lb. .40 - —
liq., No. 1, bbls., l.c.l. lb. .19 - —
Quicksilver (see Mercury metal).
Quince seed, bgs lb. 2.00 Nom.
Quinidine, NF, V cryst., cns., 100-oz. lots oz. 1.15 - —
powd., precip., cns., 100-oz. lots oz. 1.17 - —
Sulfate, USP, cns., 100-oz. lots oz. .87 - —
Quinine, NF, cns., 100-oz. lots oz. .54 - —
Bisulfate, USP, cns., 100-oz. lots oz. .37½- —
Dihydrochloride, USP, cns., 100-oz. lots oz. .54 - —
Ethylcarbonate, NF, cns., 100-oz. lots oz. .63½- —
Hydrobromide, NF cns. 50-oz cns. oz. .47½- —
Hydrochloride, USP, cns., 100-oz. lots oz. .47½- —
Phosphate, NF, cns., 100-oz lots oz. .61 - —
Salicylate, NF, cns., 100-oz. lots oz. .55 - —
Sulfate, USP, cns., 100-oz. lots oz. .42 - —
Quinine and Urea hydrochloride, NF, cns oz. .56 - —
Quinoline, dms., c.l., frt. equald lb. .50¾- —
l.c.l., same basis lb. .51¼- —
tanks, same basis lb. .50 - —

R

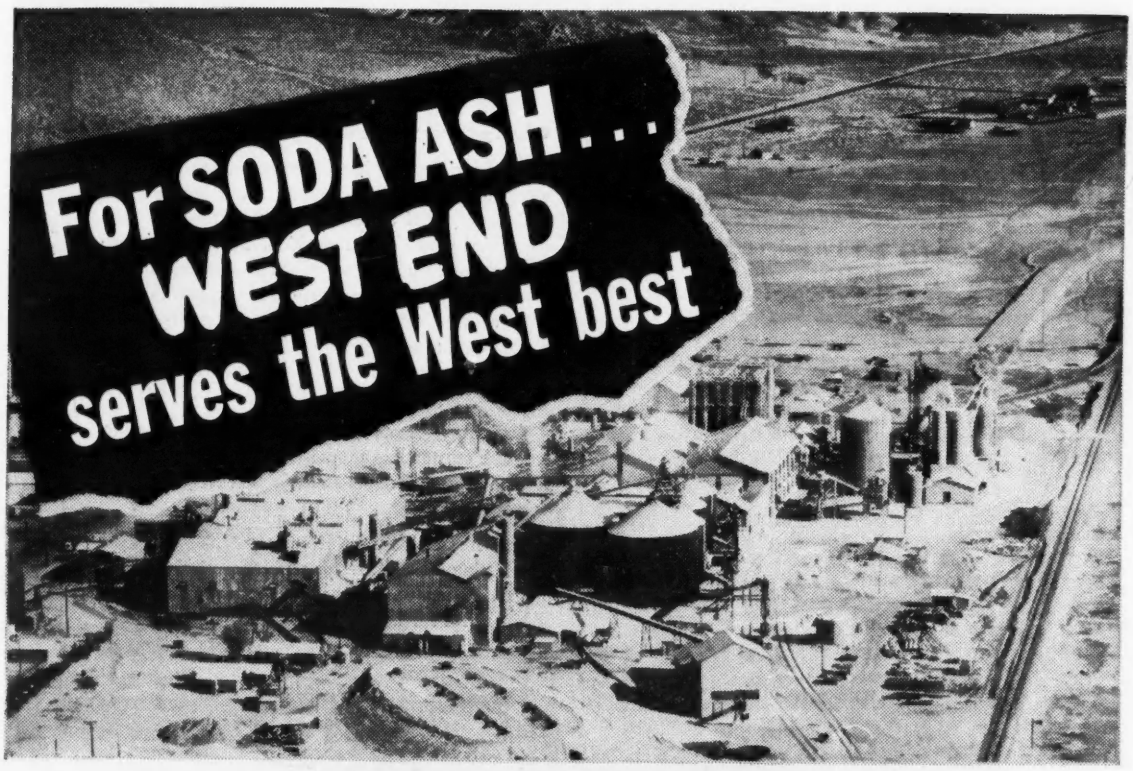
R salt, paste, dms., frt. alld., 100% basis lb. .88 - —
powd., frt. alld., 100% basis lb. .98 - —
Rauwolfia serpentina, root, powd., bbls, dms lb. 2.00 - 3.00
Red, BON acid maroons, pure, bbls. lb 1.75 - —
resinated, bbls lb 1.50 - —
arylid, deep shades, bbls lb 3.60 - —
light shades, bbls lb 2.75 - —
maroon, bbls lb 3.60 - 5.90
Cadmium, CP, dark shade, bbls., frt. alld. E. of Rockies lb. 4.30 - —
light shade, same basis lb 4.00 - —
medium shade, bbls., same basis lb 4.25 - —
medium-light shade, bbls., same basis lb. 4.05 - —
orange shade, bbls., same basis lb. 3.95 - —
Red, lithopone, deep shade, bbls., same basis lb. 1.93 - —
light shade, bbls, same basis, lb. 1.76 - —
maroon shade, bbls., same basis lb. 2.05 - —
medium shade, bbls, same basis lb. 1.85 - —
medium-light shade, bbls., same basis lb. 1.77 - —
orange-red shade, bbls, same basis lb. 1.64 - —

Red cadmium lithopone all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c per lb higher ex whse Los Angeles and San Francisco

Carmine No. 40 (see Carmine).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. 1.60 - —
Indian, dom., pure, bgs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .12¾- —
Iron oxide, nat., 75%-85% ferric oxide, bgs., l.c.l., Bethlehem, Pa., Copley O., Easton, Pa., East St. Louis lb. .04 - .07½
syn. 98% ferric oxide, bgs., c.l., works lb. .12¾- —
l.c.l., works lb. .13 - —
Lake C toner, alizarin, bbls., works lb. 1.10 - 1.20
Lithol toner, bbls., works lb. .79 - —
rubine toner, pure, bbls., works, lb. 1.50 - —
resinated, bbls., works lb. 1.40 - —
Virginia type, bbls., works lb. 1.40 - —
Maroon toner, MNPT, kgs., works, lb. 3.60 - —
10,000-lb. lots, works lb. 4.22 - —
smaller lots, works lb. 4.24 - —
Metallic, bbls., c.l., works lb. .02½- —
l.c.l., works lb. .02¾- —
Naphthol ITR, bbls., works lb. 5.25 - —
Oxide (see Red iron oxide).
Persian Gulf, bgs., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
Para, toner, bbls. lb. 1.05 - —
chlorinated, kgs lb. 1.10 - 1.15
Phloxin toner (see Red eosin toner).
Rhodamine, molybdated, PMA, kegs lb. 5.35 - —
tungstated, PTMA, works, kegs, lb. 5.95 - —
Spanish oxide, bbls., c.l., ex dock lb. .05¾- —
l.c.l., ex dock lb. .06 - —
ex whse., New York lb. .06½- —
Toluidine toner, deep shades, kgs., works lb. 1.60 - —
light shades, kgs., works lb. 1.60 - —
Turkey, bbls., works lb. .62 - —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- .037
20%, bgs., works lb. .0475- —
25%, bgs., works lb. .0525- —
30%, bgs., works lb. .0550- —
35%, bgs., works lb. .0575- —
40%, bgs., works lb. .0625- —
Watchung-type, bbls lb. 1.95 - —
Red KB base (see 4-Chloro-2-aminotoluene).
Red, precipitate (see Mercuric oxide, red).
Red saunders, NF, powd., bbls lb. .35 - .40
Reserpine, cryst., bots kilo. 120.00 - —
Resorcinol, tech. grade, dms., c.l., works lb. 77½- —
l.c.l., works lb. .78½- —
USP, cryst., dms., works lb. 2.75 - —
powd., dms., works lb. 2.95 - —
Monoacetate, NF, dms lb. 3.00 - 3.25
Rhatany root, bgs lb. .15 - .16
Rhodinol, 5-lb. cans lb. 25.50 -34.00
Rhubarb root, India, whole, bgs lb. 1.75N - —
powd., bbls lb. 2.50N - —
Riboflavin, USP, bots., dlvd kilo. 100.00 - —
readily soluble, bots., dlvd kilo. 130.00 - —
5'-phosphate-sodium, 100-kilo lots or more kilo. 140.00 - —
Rochelle salt (see Potassium-sodium tartrate).
Rosin gum and wood (see Naval Stores in Protective Coatings market).
Rotenone, fib. dms., works, 100% basis lb. 10.00 - —
resin, 25-45%, fib. dms., works, 30% basis lb. 3.00 - —
Rottenstone, bgs., 5-ton lots, ex-whse lb. .03 - —
ton lots, same basis lb. .04 - —
Rutin, NF, fib. dms. 25-kilo lots, kilo. 17.50 -18.50
10 to 25-kilo lots kilo. 17.50 -20.00
1 to 10-kilo lots kilo. 18.90 -20.00
Ryania, 100% powd., bgs., c.l., works, lb. .22 - —
l.c.l., same basis lb. .24 - —

S

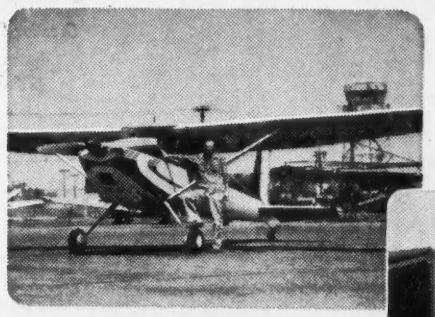
Sabadilla seed, powd., bbls lb. .49 - .49½
activated, ground with lime, bbls lb. .30 - .32
Saccharin, USP, gran., soluble, dms., 1000-lb lots lb. 1.60 - —
smaller lots lb. 1.70 - 1.80
powd., soluble, insoluble, dms., 1000-lb. lots lb. 1.65 - —
smaller lots lb. 1.75 - 1.95
Saffron, Spanish, USP, tins lb. 40.00 Nom.
Safrol, dms lb. 1.60 - —
Sage, Cretan, bgs lb. .11 - —
Dalmatian, bgs. lb. .40 - —
Italian, bgs. lb. .13 - —
Sago flour, raw, bgs lb. .06½- .06¾
refd., bgs lb. .08¼- .08¾
Sal soda (see Soda sal).
Salol, NF, gran., bbls., kgs lb. 1.10 - —
Powdered salol, 25c. higher.
Salt, rock, paper bgs., c.l. 100 lbs. .98 - —
table, vacuum, common, fine, paper bgs., c.l. 100 lbs. 1.22 - —
Saltcake, dom., bulk, works, 100% Na_2SO_4 basis ton. 28.00 - —
Saltpeter (see Potassium nitrate).
Sandalwood, East Indies, chips, bgs. .65 - .66
powd., fib. dms lb. .75 - .76
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Sarsaparilla root, imp., Honduras, bls. lb. .65 Nom.
Mexican, bls lb. .63 Nom.
Sassafras root bark, ord., bls lb. .45 - —
select, bbls. lb. .65 - —
Schaeffer's salt, paste, dms., frt. alld., 100% basis lb. .95 - —
powd., bgs., frt. alld lb. .95 - —
Scopolamine hydrobromide, USP, bots oz. 10.25 -11.50
Seidlitz mixture, bbls., 5,000-lb. lots lb. .30½- —
smaller lots lb. .31 - .33
Selenium, powd., dms., dlvd lb. 6.00 - 7.25
Senega root, bls lb. 3.50 - 3.60
Senna leaves, Alex., whole and half, bls lb. .19 - —
siftings lb. .17 - —
Tinnevelly, No. 1, bls lb. .16 - .18
No. 2, bls. lb. .13 - .15
No. 3, bls. lb. .11 - .13
powdered, bbls., bxs lb. .18 - —
pods, bls. lb. .14 - —
Serpentaria root, bls lb. 4.95 - —
Sesame seed, Nicaragua, hulled, shipt., bgs. lb. .24 - .24½
nat., bgs. lb. .16½- .17
Salvadorian, natural lb. .16¾- —



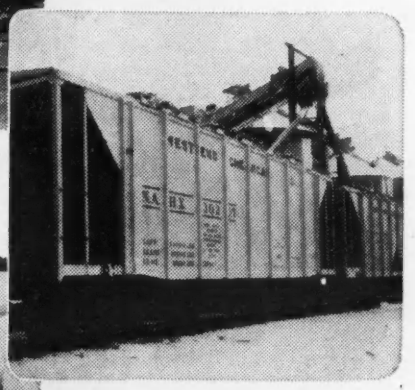
West End serves the West quickly, efficiently and economically with highest quality soda ash. For 30 years, West End has been constantly enlarging its manufacturing and storage facilities so that the normal and emergency needs of western industry will be met promptly regardless of market conditions. Strategic location of plant permits fast, economical transport by rail or truck to any point in the West.

■ ■ ■

Write for samples, prices and technical data.



PERSONAL SERVICE — Customers anywhere in the West are only a few hours away by company plane.



IMMEDIATE SHIPMENT to customers throughout the West in company's own leased hopper cars . . . ready at all times.

30 MINUTE IN - AND - OUT LOADING for bulk trucks at any hour of day or night through "serve yourself" delivery.

WEST END CHEMICAL COMPANY
SODA ASH · F. M. SMITH BRAND BORAX · HYDRATED LIME

West End Chemical Co.

Executive offices: 608 Latham Square Building, Oakland 12, California · Plant: Westend, California

Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .60 - —
bbls., 1,500-lb. lots lb. .62 - —
kgs., 1,500-lb. lots lb. .63 - —
refd., bgs., 1,500-lb. lots lb. .68 - —
bbls., 1,500-lb. lots lb. .70 - —
kgs., 1,500-lb. lots lb. .71 - —

Bonedry shellac prices for less than 1,500 lb. lots 1c. per lb. higher for all packages.

Lemon, No. 1, bgs., 10-bg. lots lb. .60 - .61
No. 2, bgs., 10-bag lots lb. .58 - .59
Superfine, bgs., 10-bag lots lb. .56 - .57
TN, bgs., 10-bag lots lb. .55 - .56

Shellac in 1 to 10 bg. lots 1c. per lb. more.

Shingle stain oil (see Oil, shingle stain).

Silica, amorph., dry-grd., 325 mesh, bgs., c.l., works ton 25.00 - —
l.c.l., works ton 30.00 - 40.00
hard-quartz, 99½, 325 mesh, bgs, c.l., works ton 20.00 - —
l.c.l., works ton 25.00 - 30.00
140 mesh, bgs., c.l., works, ton 15.00 - —
l.c.l., works ton 20.00 - —

Silicon tetrachloride, tech., dms., c.l., works lb. .16 - —
l.c.l., works lb. .20 - .28¼

Silver bullion, ingots, cs Troy oz. .88½- —
Cyanide, fib. dms., 2,500-oz. lots, oz. .80¾- —
1,000-oz. lots oz. .81 - —
500-oz. lots oz. .81¼- —
100-oz. lots oz. .81½- —

Nitrate, CP, crystals, bots., 2,500-oz. lots oz. .56⅝- —
1,000-oz. lots oz. .57⅞- —
500-oz. lots oz. .58⅜- —
250-oz. lots oz. .58⅞- —

USP granular silver nitrate 4c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. 1.05 - —
strong, NF, bots., dms., 1,000-oz. lots oz. 1.00 - —

Soapbark, whole, bls lb. No prices
crushed bls., bbls lb. No Prices
powd., bbls lb. No Prices

Soda ash, dense, 58% paper bgs., c.l., works 100 lbs. 1.70 - —
l.c.l., stock points 100 lbs. 2.80 - 4.57
bbls., c.l., works 100 lbs. 2.30 - —
l.c.l., stock points 100 lbs. 3.35 - 4.12
bulk, c.l., works 100 lbs. 1.40 - —
light, 58%, paper bgs., c.l., works 100 lbs. 1.65 - —
l.c.l., stock points 100 lbs. 3.75 - 4.52
bbls., c.l., works 100 lbs. 2.20 - —
l.c.l., stock points 100 lbs. 3.25 - 5.52
bulk c.l. works 100 lbs. 1.35 - —

caustic, flake, powd., 76% dms., c.l., works, frt. equald 100 lbs. 4.25 - —
l.c.l. stock points 100 lbs. 5.45 - —
liq., 50%, sellers, tanks, works, dry basis 100 lbs. 2.70 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.70 - —
70% sellers' tanks, works, dry basis 100 lbs. 2.80 - —
rayon-type, sellers' tanks, works, dry basis 100 lbs. 2.80 - —
solid, 76%, dms., c.l., works 100 lbs. 3.85 - —
l.c.l., stock points 100 lbs. 5.05 - —
Sal., bgs., c.l., works 100 lbs. 1.40 - —
l.c.l., works 100 lbs. 1.70 - —

Sodium acetate anhyd., bgs., c.l., works lb .12 - —
dms., c.l., works lb. .12¾- —
NF, 60% gran., dms., c.l., works lb. .11 - —
dms., l.c.l., works lb. .1250- —

Alginate, NF, white powd., dms., ton lots, works lb. .87 - 1.30
refd., bbls., works lb. .83 - —
p-Aminobenzoate, dms., 1,000-lb. lots or more lb 2.40 - —
smaller lots lb 2.45 - 2.50
p-Aminosalicylate, dms., 1,000-lb. lots or more, frt. adjusted lb. 3.75 - —
smaller lots, same basis lb. 3.80 - 4.25
Antimoniate, bbls., c.l., dlvd. E lb. .29 - —
l.c.l., dlvd E lb. .30½- —
Arsenate, dms., c.l., works lb. .12½- —
l.c.l., works lb. .13¾- .14¾
Arsenite, dms., c.l., works lb. .13½- —
l.c.l. works lb. .14¼- .15¼
soln., dms., works gal. .70 - 1.10
Ascorbate, dms., 25-50 kilo lots, kilo. 16.00 - —
10-kilo lots kilo. 16.35 - —
5-kilo lots kilo. 16.75 - —
1-kilo lots kilo. 17.00 - —
bots, 500-gram lots kilo. 17.50 - —
Benzoate, tech., bbls., dms., 100-lb lots or more lb. .39 - —
USP, bbls., dms. 100-lb. lots, or more lb. .46 - —
Bicarbonate, USP, gran., bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.70 - —
powd., bgs., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 3.30 - —
Bichromate, bgs., c.l., works lb. .11½- —
l.c.l., works lb. .12 - .13¼
Bifluoride, bbls., c.l., works, frt. equaled lb. .17½- —
l.c.l., same basis lb. .1790- —
Bisulfate, bulk., c.l., works 100 lbs. 2.00 - —
dms., cbys., c.l., works 100 lbs. 3.00 - 3.60
l.c.l., works 100 lbs. 3.50 - 4.10
Bisulfite, anhyd., bgs., c.l., works, 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 4.90 - —
soln., 35°, bbls., c.l., works, 100 lbs. 1.53 - —
l.c.l., works 100 lbs. 2.05 - —
Borate (see Borax).
Bromide, USP, bbls., kgs., works, lb. .34 - .35
Cacodylate, NF, dms lb. 6.25 - 6.50
Carbonate, annyd. (see Soda ash), cryst., monohydrated (see Soda, sal), monohydrated bgs., c.l., works, 100 lbs. 2.90 - —
l.c.l., works 100lbs. 3.30 - —
Carboxymethyl cellulose (see CMC).
Chlorate, cryst., dms., c.l., works lb. .08¾- —
l.c.l., works lb. .10¼- .11
Chloride, tech. (see Salt).
USP dms lb. .05 - .12
Chlorite, tech., dms., c.l., works, lb. .58 - —
20-ton lots or more, works, lb. .66 - —
smaller lots, works lb. .70 - .73
Chloroacetate, tech., dms., c.l., works lb. .27 - —
l.c.l., works lb. .28 - —
Chromate, dms., c.l., works lb. .13¼- —
l.c.l., same basis lb. .13¾- .15
Citrate, anhyd., dms. lb. .60 - .65
NF VIII, gran., dms lb. .26 - .30¼
USP, XVI gran., dms lb. .29½- .34
Sodium citrate, USP, powd. prices ½c. higher.
Cyanate, dms., 1,000-lb. lots, works lb. .85 - 1.10
smaller lots, works lb. 1.00 - 1.25
Cyanide flake, 96-98%, dms., c.l. or 20,000-lb. lots lb. .178 - —
over 1,000-lb lots lb. .188 - —
100-lb to 1,000-lb. lots lb. .198 - —
Granular sodium cyanide 1c higher.
Diacetate, 33-35% acidity, 250-lb. dms., works lb. .14 - —
l.c.l., works lb. .14¾- —
anhyd., dms., c.l., works lb. .17 - —
l.c.l., works lb. .17¾- —
Dichromate (see Sodium bichromate).

Sodium ferrocyanide, bgs., 10-ton lots lb. .13½- —
smaller lots lb. .14 - —
Fluoride, white, 97%, fib. dms., c.l., works, frt. equald lb. .1250- —
l.c.l., works lb. .1290- —
Formate, bgs., c.l., dlvd. E 100 lbs. 7.60 - —
l.c.l., works 100 lbs. 8.65 - —
Gentisate, 100-lb. fib dms lb. 8.50 - —
Gluconate, refd., dms. lb. .80 - .83
tech., dms lb. .35 - —
Glutamate, mono-, dms., c.l. lb. 1.55 - —
Glycerophosphate, NF, cryst., bbls. lb. 2.10 - 2.25
powd., bbls lb. 2.15 - 2.30
soln., 75%, cbys lb. 1.45 - 1.60
Hydride, dms., works lb. 1.80 - 3.00
Hydrosulfide (see Sodium sulfhydrate).
Hydrosulfite, ums., c.l., frt. alld lb. .20 - —
l.c.l., frt. alld lb. .20½- —
Hydroxide, tech. (see soda caustic), NF, pellets, 100-lb dms. 1 to 100-dm lots lb. .18½- .23
Hypophosphite, NF, dms., ton-lots or less lb. .95 - .98
Hyposulfiite, USP (see Sodium thiosulfate), pea crystals, bgs 100 lbs. 4.50 - —
gran., bgs., c.l., works 100 lbs. 4.75 - 5.00
photo grade, bgs., c.l., works 100 lbs. 4.50 - 4.75
l.c.l., works 100 lbs. 5.00 - 5.05
Hyposulfite, tech., bgs., works lb. 4.50 - —
l.c.l., works 100 lbs. 4.90 - 6.90
Sodium hyposulfite crystals in bbls., 50c. higher.
Iodide, USP, bots., dms lb. 2.80 - 2.85
Lactate, edible, 50%, cbys., dms., works lb. .21½- —
60%, cbys., dms., works lb. .26½- —
tech., 50%, cbys., dms., works, lb. .16¼- —

Sodium lauryl sulfate, dms., c.l., dlvd lb. .22 - —
l.c.l., dlvd lb. .23 - —
tanks, dlvd lb. .20 - —
Metabisulfite (see Sodium bisulfite).
Metaborate, octahydrate, gran., bgs., c.l., works ton. 78.50 - —
l.c.l., ex whse ton. 124.50 - 129.50

Sodium metaborate, octanydrate in bbls., $24.50 per ton higher.

Tetrahydrate, bbls., c.l., works. ton. 199.50 - —
Metallic, bricks, 14,000 lb. or more, works lb. .17 - .19
less than 14,000 lb. lots, works, lb. .175 - .195
tanks, works lb. .16 - —
Metanilate, bbls., frt. alld lb. .62 - —
Metasilicate, anhyd., bgs., c.l., works 100 lbs. 5.10 - —
l.c.l., works 100 lbs. 5.45 - 7.35
dms., c.l. 100 lbs. 5.50 - —
l.c.l. 100 lbs. 5.85 - 7.75
Pentahydrate, bgs., c.l., works, 100 lbs. 4.10 - —
l.c.l., works 100 lbs. 4.45 - 6.35
dms., c.l., works 100 lbs. 4.50 - —
l.c.l., works 100 lbs. 5.10 - 5.85
Molybdate, bbls., cbys., works lb. .85 - .95
anhyd., powd., dms., works lb. .85 - .92
cryst., dms., works lb. .70 - —
Monohydrate (see Sodium carbonate, monohydrated).
Naphthionate, bbls lb. .70 - —

Shellac—Sodium Peroxide

Sodium nitrate, crude, dom., bgs., c.l., works ton. 47.00 - —
bulk, c.l., works ton. 43.50 - —
imp., 100-lb. bgs., c.l., Atl. Gulf, Pac., whse ton. 51.25 - —
bulk, c.l., same basis ton. 47.75 - —
Nitrite, USP, bbls., c.l., works, frt. equaled lb. .08 - —
l.c.l., same basis lb. .09½- —
Orthosilicate, conc., dms., c.l., works 100 lbs. 6.00 - —
l.c.l., works 100 lbs. 6.35 - 6.75
hydrated, flake, bbls., c.l., works, 100 lbs. 5.25 - —
l.c.l., dlvd 100 lbs. 7.00 - —
Oxalate, 88%, bgs., works 100 lbs. 10.85 - —
Para-aminobenzoate (see sodium p-Aminobenzoate).
Para-aminosalicylate (see Sodium p-Aminosalicylate).
Pentachlorophenate, briquets, bgs., c.l., works, frt. equald lb. .25½- —
l.c.l., same basis lb. .26½- .28½
pellets, bgs., c.l., same basis lb. .25 - —
l.c.l., same basis lb. .26 - .28
powd., bgs., dms., c.l., same basis lb. .24 - —
l.c.l., same basis lb. .25½- .32

Pentachlorophenate, 20,000 lbs. min. truckloads, ¼c. per lb. over carlot prices.

Perborate, NF, tech., bgs., c.l., works lb. .173 - —
l.c.l., works lb. .178 - —
Peroxide, dms., c.l., dlvd. E. of Miss lb. .1860- —
l.c.l., same basis lb. .1910- .196

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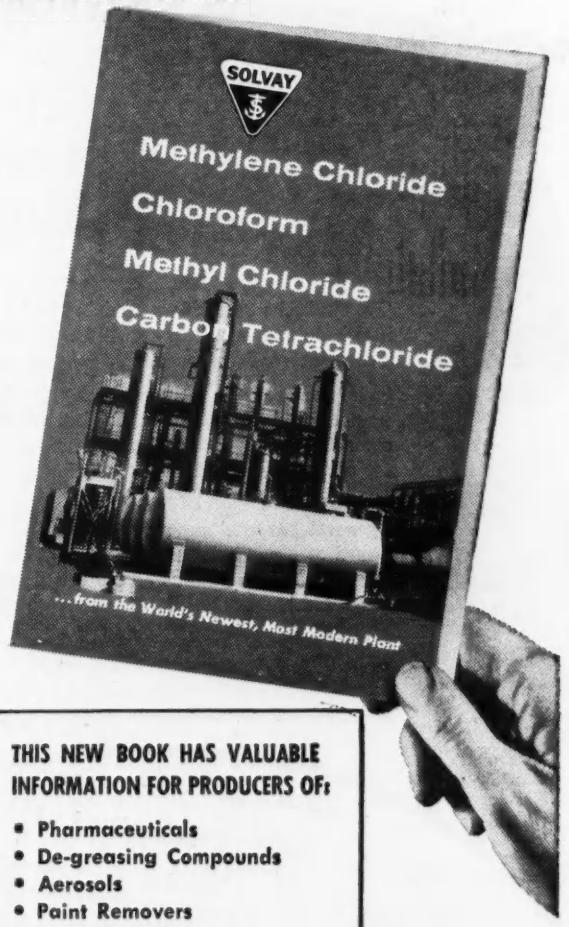

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Sodium Phenolsulfonate—Sulfanilamide Quinoxaline

Sodium phenolsulfonate, USP IX, gran., dms. lb. .44 - .45
powd., dms lb. .47 - .48
Phosphate, dibasic, anhyd., bgs., c.l., frt. equald 100 lbs. 7.45 - —
l.c.l., works 100 lbs. 7.85 - —
USP, dried powd. bgs., dms., works lb. .19 - .20½
monobasic, anhyd., bgs., c.l., frt. equald 100 lbs. 8.45 - —
l.c.l., frt. equald 100 lbs 8.90 - —
duohydrate, bgs., c.l., frt. equald 100 lbs 7.05 - —
l.c.l., frt. equald 100 lbs 7.25 - —
tribasic, cryst., bgs., c.l., frt. equald 100 lbs. 4.20 - —
l.c.l. frt equald 100 lbs 4.60 - —

Sodium phosphates in dms. 60c higher than bgs

Prussiate, yellow (see sodium ferrocyanide).

Pyrophosphate, acid., bgs., c.l., works, frt. equald 100 lbs. 10.75 - —
ferric, dms., 1,500-lb lots, works. lb. .31 - —
smaller lots, works lb. .32 - —
tetrabasic, anhyd., bgs., c.l., works, frt. equald 100 lbs. 7.37½- —
l.c.l., frt. equald 100 lbs. 7.77½- —
Salicylate, USP, dms lb. .68 - —
Sesquicarbonate, bgs., c.l., works. lb. 2.10 - —
Sesquicarbonate, bgs., l.c.l., dlvd., zone 1 100 lbs. 3.85 - 4.10
zone 2 100 lbs 4.10 4.35
Sesquisilicate, hydrated, bgs., c.l., works 100 lbs. 4.60 - —
l.c.l., works 100 lbs. 4.95 - 5.35
dms., c.l., works 100 lbs. 5.00 - —

Sodium sesquisilicate, l.c.l., works. 100 lbs. 5.35 - 5.75
zone 3 100 lbs. 4.40 - 4.65
zone 4 100 lbs. 5.10 - 5.35

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Silicate, liq., 40° Be, 1:3.2, turbid, dms., c.l., works 100 lbs. 1.35 - —
l.c.l., works 100 lbs. 1.70 - 2.10
tanks, works 100 lbs. 1.00 - —
47° Be, turbid, 1:2.9, dms., c.l., works 100 lbs. 1.95 - —
l.c.l., dms., works, 100 lbs. 2.55 - 2.70
tanks, works 100 lbs. 1.60 - —
52° Be, turbid, 1:2.4, dms., c.l., works 100 lbs. 2.30 - —
l.c.l., works 100 lbs. 2.65 - 3.05
tanks, works 100 lbs. 1.95 - —
solid, 1:3.2, bgs., works ton. 57.50 - —
Silicofluoride, bgs., c.l., works lb. .07 - —
l.c.l., works lb. .07 - .08

Sodium silicofluoride in dms., 4/10c higher

Stannate, dms., works, frt. alld. E lb. .535 - .589

Sodium sulfa drugs (see Sulfa name).
Sulfanilate, bbls., works lb. .22 - —
Sulfate, NF, VII, dried, powd., dms lb. .22½- —
tech., anhyd., bgs., c.l., dlvd., E ton. 52.00 - —
detergent grade, bgs., c.l., works ton. 34.00 - —
rayon grade, bgs., c.l., works. ton. 31.00 - —
USP, cryst., fib. dms lb. .17½- .18
gran., fib. dms lb. .17½- .18
Sulfide, flake, dms., c.l., works, E., frt. equald lb. .05¼- —
l.c.l., same basis lb. .05¾- —
fused, bbls., c.l., works, E., frt. equald lb. .04¾- —
l.c.l., same basis lb. .05¼- —
Sulfite, anhyd., bgs., c.l., works, 100 lbs. 3.00 - —
l.c.l., same basis 100 lbs. 3.50 - —
powd., bbls., c.l., works 100 lbs. 7.25 - —
l.c.l., works 100 lbs. 7.50 - —
Sulfhydrate, flake, 70-72%, dms., c.l., works lb. .06½- —
l.c.l., works lb. .07 - —
liq., 40-44%, tanks, works, 100% asis ton. 110.00 - —
Sulfocyanide, CP, (see Sodium thiocyanate).
Tetraborate (see Borax).
Tetrasulfide, liq., 40%, dms., c.l., works lb. .. ½- —
l.c.l. works lb. .04 - —
tech., anhyd., 1 ton lots or more lb. .55 - .65
Thiocyanate, CP, dms lb. .317 - —
more, works lb. .337 - —
less than ton lot, works lb. .377 - —
tech., dms., works lb. .12½- —
Thiosulfate, NF, cryst., bbls., lb. tech. (see Sodium hyposulphite).
Titanate, ctns., c.l., works lb. .10½- —
5-ton lots, works lb. .10¾- —
1 ton or less, works lb. .11 - —

Sodium toluene sulfonate, dms., c.l. or t.l. lb. .38 - —
l.c.l. lb. .42 - —
Trichloroacetate, 90% 100-lb. dms., c.l., frt. alld., E lb. .37½- —
l.c.l., frt. adjusted, E lb. .39½- —
50-lb. dms., c.l., frt. alld. E. lb. .38 - —
l.c.l., frt. adjusted, E lb. .40 - —
10-lb. cns., c.l., frt. alld. E. lb. .44 - —
l.c.l., frt. adjusted, E lb. .46 - —

Prices on Sodium trichloroacetate W. of the Rockies are 1¾c. per pound higher.

Tripolyphosphate, bgs. c.l., works, frt. equald 100 lbs. 7.72½- —
l.c.l., same basis 100 lbs. 8.12½- —
Trisilicate, powd., 1:3.2, bgs., c.l., works 100 lbs. 8.65 - —
l.c.l., works 100 lbs. 9.40 - 9.80
dms., c.l., works 100 lbs. 9.05 —
l.c.l., works 100 lbs. 9.80 -10.20
Tungstate, tech., kgs., dlvd. E lb 1.80 —
Sodium ammonium phosphate, bbls., works frt equald lb 2.[illegible] —
Sodium-carboxymethyl cellulose (see CMC).
Sodium cinchophen (see Cinchophen sodium).
Sodium-formaldehyde sulfoxylate, dms., c.l., dlvd lb. .21 - —
l.c.l., same basis lb. .21½- —
Sodium-zirconyl sulfate, fiber dms., 1,000-lb. lots or more, works lb. .28 - —
smaller lots, same basis lb. .30 - —
Solvent naphtha, coaltar, high flash, tanks, works gal. .31 - .35
petroleum (see Petroleum solvent, partial aromatic).
Sorbitan monostearate, fib. dms., 20,000-lb. lots, works lb. .32 - —
10,000 to 20,000-lb. lots, works, lb. .34 - —
smaller lots, works lb .37 - .39
Tristearate, fib. dms., 20,000-lb. lots, works lb. .33 - —
10,000 to 20,000-lb. lots, works. lb. .35 - —
smaller lots, works lb .38 - .40
Sorbitol, cryst., pellets, dms., c.l., works lb .30 —
1 to 5-ton lots, works lb .32 - .33
powd., dms., 1 to 5-ton lots, works, lb. .38 - .39
soln., coml., aqueous, dms., c.l., works lb. .24¼- —
ton lots, works lb .25 - —
smaller lots, works lb. .25¼- —
tanks, works lb .23¼ - —
reg., 70%, aqueous dms., c.l., works lb. .16 - —
ton lots, works lb. .16¾- —
smaller lots, works lb. .17 - —
tanks, works lb. .15 - —
Soybean meal, 44%, bulk, Decatur. ton. 60.00 - —
protein, chemically isolated, bgs., c.l., works lb. .23 - —
mechanically refd., bgs., c.l., works lb. .06 - —
Sparteine sulfate, cns. oz. .80 - .85
Spearmint leaves, dom., bls lb .75 - —
imp., bls. lb. 1.25 - —
Spruce, extract, liq., reg. tanks, works lb. .01¾- —
powd., super, bgs., c.l., works. lb. .05¼- —
l.c.l., works lb .05½- —
Squill, white, bls. lb. .17 - .19
powd., bbls., bxs. lb. .18 - .21
St John's bread, edible, bls lb. .13 - .15
Stannic chloride, anhyd., dms., works lb. .748 - .758
Oxide, dms., dlvd. E lb. .91½- .92¼
Stannous chloride, anhyd., dms., works lb. .799 - 1.068
Hydrous (crystals), dms., works. lb. .75½- .76¼
Sulfate, dms., works lb. .918 - .938
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 7.14 - —
l.c.l. 100 lbs. 7.29 - —
powd., paper bgs., c.l. 100 lbs. 7.26 - —
l.c.l. 100 lbs. 7.41 - —

Prices for corn starch in cotton bags, 25c. per 100 lbs. higher.

Potato, dom., Idaho, bgs., c.l., works lb. .06¾- —
Maine, bgs., c.l., works lb. .06¾- —
l.c.l., spot lb. .08¾- .09
Rice, bgs., l.c.l. lb. .15½- .16
Wheat, bgs. lb. .0755- .0780
Star root (see Helonias root).
Stargrass Root (see Aletris root).
Stavesacre seed, bgs lb. .60 - .61
Stearine oleo (see Oleostearine.)
Stomach substance, not USP, 100-lb. fib. dms lb. 2.80 - —
Stramonium leaves, bgs lb. .18 - .20
Streptomycin hydrochloride, bulk, gram. .10 - —
gram. .10 - —
Strontium bromide, NF, cns., dms. lb. .77 - .78
Carbonate, pure, dms., 5-ton lots or more, works lb. .35 - —
1-ton lots, works lb. .37 - —
tech., dms., works lb. .19 - —
Chromate, bbls., works lb. .46 - —
Iodide, jars, 25-lb. lots lb. 3.42 - —
Nitrate, bbls., c.l., works 100 lbs. 11.00 - —
l.c.l., works 100 lbs. 12.00 - —
Salicylate, NF, dms lb. 1.65 - —
Sulfate, air floated, 90%, 325 mesh, bgs., works ton. 56.70 -66.15
Strophanthin, K, bots oz. 25.00 -25.50
G, (see Ouabaine, USP).
Strophanthus seed, Kombi, biologically tested, bgs lb. 3.50 - 3.75
Styrax, USP, cs lb. .78 - .80
Strychnine, NF, powd., cns., 100-oz. lots oz. 1.10 - —
Phosphate, NF, cns., 100-oz. lots oz. 1.14 - —
Sulfate, USP, cryst., cns., 25-oz. lots oz. .96 - —
powd., 100-oz. lots oz. .85 - —
Styrene monomer, polymer grade, 99½%, dms., c.l., frt. equald. lb. .22¼- —
l.c.l., same basis lb. .23¼- —
tanks, same basis lb. .21 - —
synthetic rubber grade, 99%, dms., c.l., frt. equald lb. .19¼- —
l.c.l., same basis lb. .20¼- —
tanks, same basis lb. .18 - —
Styrolyl acetate, bots lb. 1.45 - 1.70
Sucrose, crude, bgs., works lb. .0540- —
refd., white, bgs., refy., E lb. .0855- —
Octa-acetate, denaturing grade, 100-200-lbs., bgs., l.c.l., works. lb. .76 - —
Sugar, raw (see Sucrose, crude).
Sulfabenzamide, dms. lb. 4.00 - 4.50
Sodium, dms. lb. 4.10 - 4.60
Sulfacetamide, fib. dms. lb. 4.00 - 4.20
Sodium, fib. dms. lb. 5.00 - 5.20
Sulfadiazine, USP, microcrystals, dms. lb. 10.60 -11.10
powd., dms. lb. 10.25 -10.75
Sulfadiazine-sodium, USP, dms. lb. 11.25 -11.75
microcrystals, dms. lb. 10.60 -11.10
Sulfaguanidine, USP, dms lb. 2.50 - —
Sulfamerazine, USP, microcrystals. lb. 10.65 -11.15
Sulfamerazine-sodium, USP, dms., lb. 11.25 -11.75
Sulfamethazine, microcrystals, dms., lb. 8.90 - 9.40
powd., dms. lb. 8.50 - 9.00
Sulfanilamide, USP, 30-60 mesh., dms lb. 1.40 - 1.60
microcrystals, dms. lb 1.70 - 1.90
powd., dms. lb. 1.30 - 1.50
Quinoxaline, veterinary, dms. lb. 6.50 - 6.75

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ATLAS AGRICULTURAL EMULSIFIERS

Name	Compound	H.L.B. Value	Color and form at 25° C.
ATLOX 1045-A	Polyoxyethylene sorbitol oleate-laurate	13.2	Yellow oily liquid
ATLOX 1255	Polyoxyethylene sorbitol esters of mixed fatty and resin acids	10.7	Red brown liquid
ATLOX 1256	Polyoxyethylene sorbitol esters of mixed fatty and resin acids	9.7	Red brown oily liquid
ATLOX 2081	Alkyl aryl sulfonate blended with polyoxyethylene sorbitan esters of mixed fatty and resin acids	13.7	Brown liquid
ATLOX 2085	Alkyl aryl sulfonate blended with polyoxyethylene sorbitol esters of mixed fatty and resin acids	11.0	Brown liquid
ATLOX 3335	Alkyl aryl sulfonate blended with polyoxyethylene sorbitan esters of mixed fatty and resin acids	12-13	Brown oily liquid
ATLOX 8916-P	Polyoxyethylene sorbitan esters of mixed fatty and resin acids	14.6	Red brown oily liquid

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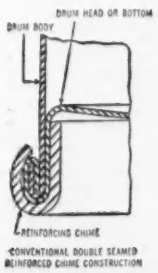
Sulfapyridine-sodium, monohydrate, dms lb. 7.50 - 8.00
Sulfathiazole, USP, microcrystals, dms lb. 2.85 - 3.00
powd., dms lb. 2.50 - 2.65
Sulfathiazole-sodium, USP, dms lb. 2.75 - 2.90
Sulfur, coml., flour, bgs., mines, bbls., mines 100 lbs. 3.05 - —
100 lbs. 2.30 - —
lump, bgs., mines 100 lbs. 2.20 - —
bbls, mines 100 lbs. 2.65 - —
crude, bulk, c.l., mines, contract, long-ton 26.50 - —
export, f.o.b. vessels, Gulf ports long-ton 31.00 -33.00
domestic and Canada, f.o.b. vessel Gulf port long-ton 28.00 -29.50
refd., flowers, USP, bgs., mines 100 lbs. 4.00 - —
bbls. 100 lbs. 5.25 - —
flour, light, bgs., mines 100 lbs. 3.60 - —
bbls., mines 100 lbs. 4.50 - —
lump, bgs., mines 100 lbs. 3.30 - —
rolls, bgs., mines 100 lbs. 3.85 - —
bbls., mines 100 lbs. 4.40 - —
salt block, bgs., mines 100 lbs. 3.50 - —
virgin block, bbls., mines 100 lbs. 3.45 - —
rubbermakers, coml., reg., bgs., mines 100 lbs. 2.40 - —
bbls., mines 100 lbs. 3.55 - —
98-100% passing through 325 mesh, bgs. mines 100 lbs. 3.50 - —
bbls., mines 100 lbs. 3.65 - —
refd., bgs., mines 100 lbs. 3.25 - —
bbls. mines 100 lbs. 4.30 - —
treated, 2.5% mineral oil, bgs., mines 100 lbs. 2.70 - —
bbls., mines 100 lbs. 3.85 - —
10% pine tar, bgs., mines, 100 lbs. 3.90 - —
Dichloride, dms., c.l., works, frt. equaled lb. .03¼- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Dioxide, liq., coml., cyls., works, frt. equald lb. .10 - .12
multi units cars, works lb. .0535- —
tanks, works lb. .045 - —
refrigeration cyls., dlvd lb. .27 - —
Monochloride 55-gal., dms., c.l., frt. equald lb. .03¾- —
l.c.l., same basis lb. .04½- —
tanks, same basis lb. .03½- —
Sumac leaves, 28%, bgs., ex-dock, ton 132.00 - —
ground, bgs., ex-dock ton 127.00 - —
Superphosphate, run-of-pile, under 22% a.p.a. pulv., bulk, c.l., Balto., unit-ton. .88 - .91
Carteret, N. J. unit-ton. .88 - .91
Triple, 46% or more, a.p.a. pulv., bulk, c.l., East Tampa, Fla. unit-ton. .98 - —

T

2,4,5-T, dms., c.l., works, frt. equald. lb. 1.25 - —
l.c.l., same basis lb. 1.30 - 2.30
Isopropyl, ester, dms., c.l., works, frt. equald lb. 1.30 - —
l.c.l., works lb. 1.35 - —
Talc, dom., ord., Calif., grad., bgs., c.l., works ton 32.00 -38.50
Vermont off color, grd., bgs., c.l., works ton 14.00 - —
l.c.l., works ton 17.50 - —
fibrous, New York, grd., bgs., c.l., works ton 25.00 -30.00
l.c.l., works ton 28.00 -30.00
99.5%, 325 mesh, bgs., c.l., works. ton 27.00 - —
l.c.l., works ton 30.00 -32.00
99.95% micronized, bgs., works ton 36.00 - —
tmp., Canadian grd., bgs., c.l., mines ton 15.25 -35.00
Tallow, edible, tanks, dlvd lb. .10½- .10¾
inedible, extra, tanks, dlvd lb. .07 - —
fancy, bleachable, tanks, dlvd. lb. .07¼- —
No. 1, tanks, dlvd lb. .06¾- —
special, tanks, dlvd lb. .06¾- —
sulfonated, 25%, bbls., l.c.l. lb. .07½- .08
50%, bbls., l.c.l. lb. .09½- .10
Tankage, animal, feeding, 9-11% ammonia, bulk unit-ton. 5.50 - —
Chicago unit-ton. 6.25 - —
Tapioca flour, Brazilian, ex whse, bgs lb. .08¼- .09
Siamese, top grade, ex whse lb. .07½- .07¾
Tar acid oil, 15-18%, dms., c.l., frt. equald gal. .47 - .49
l.c.l., same basis gal. .50 - .51
tanks, same basis gal. .39 - —
25-28%, dms., c.l., same basis, gal. .54 - .56
l.c.l., same basis gal. .57 - .58
tanks, same basis gal. .46 - —
50-53%, dms., c.l., same basis, gal. .70 - .72½
l.c.l., same basis gal. .73½- .74½
tanks, same basis gal. .62½- —
Coal (see Coaltar)
Tartar emetic (see Antimony-potassium tartrate).
Terpine glycol ether, dms., c.l., works lb. .23½- —
l.c.l., works lb. .25½- —
tanks, works lb. .22 - —
Hydrate, NF, cryst., powd., fib. dms lb. .67½- .74
a-Terpineol, dms., l.c.l., dlvd. E lb. .19 - —
Terpineol, coml., dms., c.l., South. lb. .13½- —
l.c.l., South lb. .14 - —
extra, dms lb. .41 - .60
prime, dms lb. .30 - .45
Terpinyl acetate, extra, cns., dms lb. .60 - .75
prime, dms lb. .55 - .70
Propionate, dms. lb. 1.75 - 2.00
Terra alba, (see Gypsum).
Testosterone, USP, 100-gm. lots, bots. gram. .70 - —
Propionate, USP, 100-gm. lots, bots. gram. .68 - —
Tetrachloroethane, dms., works lb. .14½- —
Tetrachloroethylene, tech. (see Perchloroethylene).
USP, 55 gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
Tetraethyl orthosilicate, dms., c.l., dlvd. E lb. .64 - —
l.c.l., dlvd. E lb. .65 - —
Pyrophosphate, 40%, cns., dms., frt. equald lb. .69 - —
Tetraethylenepentamine, dms., c.l., dlvd. E lb. .57½- —
l.c.l., dlvd. E lb. .58½- —
tanks, dlvd. E lb. .56 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium metal, dlvd lb. 12.50 -15.00
Sulfate, 99%, bots., dlvd lb. 8.00 -13.00
Theobromine, NF, fib. dms lb. 3.75 - —
And sodium acetate, USP, fib. dms lb. 4.05 - 4.10
Sodio-Salicylate, NF, fib. dms lb. 3.35 - 3.40
Theophylline, anyhd. or USP, 100-lb. dms lb. 3.65 - —
Thiamine hydrochloride, USP, regular or ampul-type, fib. dms. kilo 100.00 - —
Mononitrate, USP, fib. dms. kilo 100.00 - —
Thiocarbanilide, dms lb. .50 - .52
Thiodiphenylamine (see Phenothiazine).
Thiourea, tech., dms., c.l., works lb. .40 - —
l.c.l., works lb. .42 - —
Thorium nitrate, purif., fib. dms., 100-lb. lots or more, works lb. 3.50 —
dl-Threonine, bots., 1-kilo lots kilo. 450.00 -500.00
Thyme leaves, French, bgs. lb. .90 - —
Spanish, bgs. lb. .10 - —
Thymol, fib. dms lb. 2.50 - 2.65
Iodide, NF, dms lb. 7.30 - —
Timbo root (see Cube root)
Tin chloride (see Stannous chloride, anhydrous).
crystals (see Stannous chloride, hydrous).
Metal (Straits) lb. .90⅞- —
Oxide (see Stannic oxide).
Sulfate (see Stannous sulfate).
Tetrachloride anhyd. (see Stannic chloride, anhydrous)
Titanium dioxide anatase, chalk resistant, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
ceramic, bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd. lb. .23½- —
reg., bgs., c.l., dlvd lb. .22½- —
l.c.l., dlvd lb. .23½- —
Hydride, cns., works lb. 7.95 - 9.00
Metallurgical, nat., gran., bgs., c.l., f.o.b. Jacksonville, Fla. ton. .120 - —
Niagara Falls, N. Y. ton 137.50 - —
5-ton lots, same basis. ton 142.50 - —
ton lots, same basis. ton 147.50 - —
Milled titanium dioxide $7.50 per ton higher.
rutile, non-chalking, bgs., c.l., dlvd. E lb. .24½- —
l.c.l., dlvd. E lb. .25½- —
Pigment, calcium-rutile base, bgs., c.l., dlvd lb. .08¾- —
l.c.l., dlvd lb. .08⅞- —
Tetrachloride, tech., dms., c.l., works lb. .40¾- —
l.c.l., works lb. .43¾- —
tanks, works lb. .39¾- —
dl-a-Tocopherol, bots kilo. 149.65 - —
Acetate, bots kilo. 136.00 - —
o-Tolidine base, dist., kgs lb. 1.30 - —
Tolu balsam, cns. lb. 4.25 - 4.50
Toluene (see Toluol).
p-Toluenesulfonamide, flake, dms., frt. alld lb. .64 - .66
powd., dms., works lb. .70 - —
solid, dms., frt. alld lb. .61 - —
m-Toluidine, dms., c.l., works, frt. alld lb. .79 - —
l.c.l., same basis lb. .80 - —
tanks, same basis lb. .78 - —
o-Toluidine, dms., c.l., works, frt. alld lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .22 - —
p-Toluidine, flake, dms., frt. alld lb. .64 - —
solid, dms., frt. alld lb. .60 - .61
Toluol, coaltar, indust. or nitration, tanks, works:—
Bethlehem, Pa. gal. .34 - —
Birmingham dist. gal. .32 - —
Chicago dist gal. .35 - —
Cleveland dist. gal. .32 - —
Geneva, Utah gal. .26 - —
Johnstown, Pa. gal. .32 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex. gal. .33 - —
Lorain, Ohio gal. .32 - —
Middletown, Ohio gal. .33½- —
Minnequa, Colo. gal. .32 - —
Philadelphia district gal. .34 - —
Pittsburgh dist gal. .32 - —
Sparrow's Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, Ohio gal. .32 - —
Toluol, petroleum, indust., 2° tanks, works:—
Albany, N. Y. gal. .35 - —
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill. gal. .35 - —
Detroit, Mich. gal. .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .33 - —
2,4-Tolylenediamine, cryst., fib., dms., frt. alld lb. .94 - —
powd., same basis lb. 1.00 - —
Tonka beans, Angostura, cks. lb. 1.65 - 1.80
Brazilian, Surinam, cs lb. 1.00 - 1.25
Totaquine, 100-oz. lots, cns. oz. .42 - —
Toxaphene, dms., c.l., t.l., works. lb. .20 - —
l.c.l., l.t.l., works lb .26 - —
Triacetin, dms., c.l., dlvd. E. of Rockies lb. .39 - —
l.c.l. same basis lb. .40 - —
tanks, same basis lb. .37 - —
Tributyl citrate, tech., dms., c.l., works lb. .40½- —
l.c.l., works lb. .41½- —
tanks, works lb. .39 - —
Phosphate, dms., c.l., works lb. .52 - —
l.c.l. same basis lb. .53 - —
tanks, same basis lb. .50 - —
Tributylamine, dms., c.l., works lb. .67 - —
l.c.l., same basis lb. .68 - —
tanks, same basis lb. .65 - —
Trichlorobenzene, dms., c.l., works, frt. alld. E lb. .14½- —
l.c.l. frt alld E lb. .15½- —
tanks, frt. alld. E lb. .13 - —
Prices in the West 1¾c. higher.

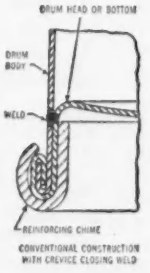
Here are important features that mean big savings with USS Stainless Steel Drums and Pails

USS Stainless Steel Drums are available with durable rubber rolling hoops (as illustrated) that give extra protection to both the drum and its contents from bumps and shocks, prolong the life of the drum, make handling much easier and quieter, and keep the drum from marking and marring floors.



CONVENTIONAL DOUBLE SEAMED REINFORCED CHIME CONSTRUCTION

Our special patented construction seals off the inner crevice or opening that usually results from the conventional double seam construction. This prevents the contents of the drum from entering the double seam and being trapped within the crevice, making it easier to do a thorough cleaning job.



CONVENTIONAL CONSTRUCTION WITH CREVICE CLOSING WELD

* * *

United States Steel Products fabricates stainless, galvanized, tinned, painted and decorated drums and pails . . . furnished in a wide range of capacities and with a variety of fittings and openings to meet every industrial need. If you would like any additional information on USS Steel Drums or Pails, just write to us at New York.

1. USS Stainless Drums and Pails give you many times the length of life of drums and pails made of conventional carbon steel because of greater tensile strength, extra durability.
2. USS Stainless Steel Drums and Pails are returnable, can make many trips, reducing considerably the unit cost of your shipping containers.
3. USS Stainless Steel Drums and Pails give complete product protection during shipping or storage . . . stops worry about contamination from rust, scale, grease or dirt.
4. USS Stainless Steel Drums and Pails stay clean and new looking inside and out. This is important in promoting customer confidence. And products that require sanitary containers are dependably safe in USS Stainless Steel Drums and Pails.

These containers are available in both tight and removable head construction.

"It's Better to Ship in Steel"

UNITED STATES STEEL PRODUCTS DIVISION
UNITED STATES STEEL CORPORATION
DEPT. 545, 30 ROCKEFELLER PLAZA, NEW YORK 20, N. Y.
Los Angeles and Alameda, Calif. · Port Arthur, Texas
Chicago, Ill. · New Orleans, La. · Sharon, Pa.
*Camden, New Jersey

*Expected Completion in April 1955

USS STEEL DRUMS

UNITED STATES STEEL

Trichloroethylene—Zirconium Oxychloride

Trichloroethylene, dms., c.l., or t.l., works, frt. equald lb. .11¼- —
l.c.l., dlvd. E lb. .13½- —
tanks, works, frt. equald lb. .10¼- —
Trichloroethane, dms., c.l., works lb. .13 - —
l.c.l., works lb. .13½- —
tanks, works lb. .11½- —
Tricholine citrate, 65% soln., ret. cbys., works, frt. adjusted lb. 1.40 - 1.45
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .35 - —
l.c.l dlvd. lb .36 - —
tanks, dlvd. lb. .33 - —
petroleum, dms., c.l., dlvd lb. .35 - —
l.c.l., dlvd. lb. .36 - —
tanks, dlvd. lb. .33 - —
Triethanolamine, dms., c.l., dlvd. E lb. .23½- —
l.c.l., same basis lb. .24½- —
tanks, same basis lb. .21½- —
Triethylamine, dms., c.l., works, dlvd. E lb. .47 - —
l.c.l., same basis lb. .48 - —
tanks, same basis lb. .45 - —
Triethyl citrate, tech., refd., dms., c.l., works lb. .48 - —
l.c.l., works lb. .53 - —
tanks, works lb. .45¾- —
Phosphate, dms., c.l., works lb. .38 - —
l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethylene glycol, dms., c.l., dlvd. E. lb. .19¾- —
l.c.l., same basis lb. .20¾- —
tanks, same basis lb. .18 - —
Triethyleneteramine, dms. c.l., dlvd E lb. .48½- —
l.c.l., dlvd. E lb. .49½- —
tanks, dlvd. E lb. .47 - —
Trimethylamine, 25-30% soln., dms., c.l., works, frt. equald., 100% basis lb. .42 - —
l.c.l., works, frt. equald., 100% basis lb. .42½- —
tanks, works, frt. equald, 100% basis lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works, lb. .35 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .39 - —
l.c.l., frt. equald lb. .40 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripropylene glycol, dms., c.l., frt. alld. E. lb. .19¾- —
l.c.l., frt alld. E. lb. .20¾- —

Prices 1c. per lb. higher in West.

Trisodium fluoroacetate (see Sodium fuloroacetate, tribasic).
Phosphate (see Sodium phosphate tribasic).
Trypsin, pharmaceutical, 1:250, dms., works lb. 6.25 - —
dl-Tryptophane, fib. ctns., works, kilo.165.00 - —
Tungsten metal, powd., 98.8%, dms., dlvd lb. 4.35 - 4.40
Turpentine, gum (see Protective Coatings market, Naval Stores).
Tyrothricin, USP, bots gram. .75 - .85

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Urea, dom., 46% N, bgs., c.l., t.l., dlvd. zone 1 ton.120.00 - —
l.c.l., ex whse., zone 1 ton.140.00 - —
45% N, bgs., c.l., (30 tons), dlvd. zone 1 ton.137.00 - —
Zone 2 ton.153.00 - —

Zone 1 prices are basis delivered Kan., Neb., N. Dak., Okla., S. Dak., Tex. and E. Zone 2 prices include all states west of Zone 1.

Urea-ammonia liquor, A and B grades N basis, tankcars, Belle, W Va ton.128.00 - —
C grade, tankcars, same basis, ton.126.50 - —
27 grade tankcars, same basis, ton.155.50 - —
Urethan, USP, dms lb. 1.50 - —
Uva ursi leaves, bls lb. .12 - .14

V

Valerian root, Belgian, bgs lb. .38 - .40
dl-Valine, dms., works lb.21.00 -27.50
Valonia beards, 40-42% tannin, bgs., ex dock ton.62.00 - —
cups, 28-30% tannin, bgs., ex-dock ton.44.50 - —
extract, powd., 63% tannin, bgs., ex-dock, duty extra lb. .08 - .08¼
Vanadium pentoxide tech., dms., works lb. 1.28 - 1.33
Vanilla beans, Bourbon, tins lb. 9.50 -10.00
Mexican, cuts, tons lb.10.00 - —
whole, tins lb.10.25 -10.50
Tahiti, cs lb. 9.25 - —
Vanillin, ex eugenol, tins, 25-lb. lots, lb. 6.50 - 6.75
smaller lots lb. 6.90 - 7.25
ex guaiacol, tins, 25-lb. lots lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate monomer, 55-gal. dms., c.l., dlvd. E lb. .18½- —
l.c.l., dlvd. E lb. .19½- —
tankcars, dlvd. E lb. .16½- —
tanktrucks, dlvd. E lb. .17½- —
n-Butyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Chloride monomer, tanks, frt. equald lb. .10½- —
Ether, USP, anesthesia, bots., 50 c.c., hospitals, bot. 1.12 - —
75 c.c. bot. 1.56 - —
Ethyl ether, tech., dms., c.l., works lb. .26 - —
l.c.l., works lb. .28 - —
tanks, works lb. .25 - —
Isobutyl ether, tech., dms., c.l., works lb. .28 - —
l.c.l., works lb. .30 - —
tanks, works lb. .27 - —
Methyl ether, cyls., works lb. .23 - —
tanks, works lb. .20 - —

Cylinders are sold outright, or if shipped against deposit, a free period of 60 days is allowed; and if empties are returned prepaid and in good condition within that period, full refund is made.

Trichloride (see Trichloroethane).

2-Vinylpyridine, dms., works lb. 1.40 - 1.50
Vinyltoluene, dms., c.l., works lb. .20¼- —
l.c.l., works lb. .21¼- —
tanks, works lb. .19 - —
Viosterol, in alcohol, 1,000,000 D units per gram, bots., lots of 10 billion USP units, 1,000,000 units. .025 - —
lots of 1 billion USP units, 1,000,000 units. .03 - —
lots of less than 1 billion USP units, 1,000,000 units. .035 - —
Visterol, in nat., veg. oil, 400,000 to 1,000,000 D units per gram, bots., lots of 10 billion USP units 1,000,000 units. .02 - .04¾
lots of 1 billion USP units, 1,000,000 units. .025 - .05¼
lots of less than 1 billion USP units, 1,000,000 units. .03 - .05¾
Vitamin A, syn., acetate, crystalline, beads, 500,000 A units per gram gram. .07¼- —
dry, 500,000 units per gram, kilo lots kilo.72.50 - —
325,000 units per gram, same basis kilo47.10 - —
250,000 units per gram, same basis kilo.36.25 - —

Dry vitamin A acetate in less than kilo lots, $2.50 per kilo higher in all potencies.

liq., in oil, 1,000,000 A units per gram 1,000,000 units. .12 - —
Palmitate, liq., 1,000,000-1,800,000 A units per gram 1,000,000 units. .12 - —
in oil, 1,000,000 A units per gram 1,000,000 units. .12 - —
B (see Thiamine hydrochloride).
B_2 (see Riboflavin).
B_3 complex, natural (see Rice bran concentrate and Yeast).
B_6 (see Pyridoxine hydrochloride).
B_{12} crystalline, 1-gram or 5-gram vials gram.245.00 - —
oral grade solids, in containers of 1 and 5 grams of B_{12} activity gram.185.00 - —
C (see Acid, ascorbic).
D (see Oils, cod-liver and fish-liver, Calciferol and Viosterol).
D_2, dry, 850,000 units per gram, kilo lots kilo.42.50 - —
less than kilo lots kilo.45.00 - —
D, (see activated 7-dehydrochobesterol).
E (see a-Tocopherol and Oil, wheat germ).
G (see Riboflavin).
H (see Biotin).
K, Active (see Menadione).
K_1, 25 gram bots gram. 4.50 - —
Violet methyl toner (see Blue methylviolet toner).
V.M.&P. naphtha (see Petroleum naphtha).

W

Wahoo root, bark, bls lb. 2.50 Nom.
Warfarin, 0.5%, dms., 50-lb. lots, dlvd lb. 1.95 - —
25-49-lb. lots, N. Y. or Chicago, lb. 2.05 - —
5-24-lb. lots, cns., N. Y. or Chicago lb. 2.15 - —
Wattle bark, fair average, African, bgs., ex dock ton.98.00 - —
merchantable, bgs., ex dock ton.94.00 - —
extract, liq., 35% tannin, bbls., lb. .09¾- .10
solid, E. Africa, 60% tannin, bgs., ex dock, duty extra lb. .09¾- —
S. Africa, 60% tannin, bgs., ex dock, duty extra lb. .10 - —
Wax, amorph. (see Wax microcrystalline).
Bayberry, bgs., spot lb. .40 - .43
Bees, crude, African, bgs lb. .63 - .64
Brazilian, bgs lb. .67 - .68
Central American, bgs lb. .64 - .65
Chilean, bgs lb. .67 - .68
refd., USP, bleached, white bricks lb. .73 - .76
slabs lb. .72 - .75
yellow, bricks lb. .66 - .67
slabs lb. .65 - .66
Candelilla, crude, bgs lb. .62 - .64
refd., bgs lb. .63 - .65

Powdered candellila, 20 mesh, 7c. per lb. higher, 80 mesh, 7c.; 100-200 mesh, 8c.

Carnauba, chalky, bgs., ton lots. lb. .60 Nom.
North country No. 2, bgs, ton lots lb. .68 - .72
No. 3, Ceara, crude, bgs., ton lots lb. .63 - 65
refd., pure, bgs., ton lots lb. .73 - .74
tech., bgs., ton lots lb. .67 - .68
Parnahyba, crude, bgs., ton lots lb. .66 - .68
yellow, No. - Ceara, bgs., ton lots lb. .67 - .68
Parnahyba, bgs., ton lots. lots lb. .97 - 1.00

Powdered carnauba wax price differentials same as powdered cas-lelilla.

Japan, bgs lb. .44 - .46
Microcrystalline 170-175° F.m.p., ASTM, penetration 15-20, ctns., 20,000 lbs., group 3, works lb. .13 - .14
smaller lots, same basis. lb. .14 - .15
black, ctns., 20,000 lbs., same basis lb. .11½- .12½
smaller lots, same basis. lb. .12½- .13½
white, ctns., 20,000 lbs., same basis lb. .24 - .25
smaller lots, same basis. lb. .25 - .26
180°-185° F.m.p., ASTM, penetration, 7-11; amber, ctns., 20,000-lb. lots, same basis. lb. .16 - —
smaller lots, same basis. lb. .17 - —
black, ctns., 20,000 lbs., same basis lb. .14½- —
smaller lots, same basis. lb. .15½- —
white, ctns., 20,000 lbs., same basis lb. .27 - —
smaller lots, same basis. lb. .28 - —
190°-195°F., m.p., ASTM, penetration 2-7, amber, ctns., 20,000 lbs., same basis lb. .20 - —
smaller lots, same basis. lb. .20½- —
black, ctns., 20,000 lbs., same basis lb. .18 - —
smaller lots, same basis. lb. .18½- —
white, ctns., 20,000 lbs., same basis lb. .33½- —
smaller lots, same basis. lb. .34½- —
Montan, dom., refd., bgs lb. .30 - .32
imp., crude, Bohemian, bgs lb. No prices.
German, bgs. lb. No prices.
Ouricury, refd., pure, bgs lb. .95 - 1.00
tech., bgs lb. .90 - .92
Paraffin (see P).
Spermaceti, blocks, cs. lb. .25½- .31
cakes, cs lb. .26½- .32
Sugar cane, dom., refd., slabs, works lb. .65 - .75
spot .67½- .72¼
White lead (see Lead, white).
White pine bark, rossed, bls lb. .18 - .19
White precipitate, USP, powd., dms, lb. 6.55 - —
Whiting (see Calcium carbonate).
Wild cherry bark, thin, nat., bls. lb. .18 - .19
rossed, bls lb. .19 - .23
Ginger (see Snake root, Canada).
Witch hazel bark, bls lb. .16 - .17
leaves, bls. lb. .30 - .31
Wollastonite, fine, bgs., c.l., works, ton.39.50 - —
l.c.l., ex whse ton.56.00 - —
medium, bgs., c.l., works ton.27.00 - —
l.c.l., ex whse ton.44.00 - —
Woolfat, crude (see Degras).
USP (see Lanolin).
Wormseed, American, bgs lb. .26 - .25
Levant, bgs lb. 4.25 - 4.50

X

Xylene (see Xylol).
Xylenol, crys., 58°-60°C., m.p., dms., l.c.l., works lb. .40 - —
56°-58°C., dms., l.c.l., works, frt. equald lb. .30 - —
45°-47°C., dms., c.l., same basis. lb. .212 - —
l.c.l., same basis lb. .215 - —
tanks, same basis lb. .199 - —
fractions, over 7°C, b.r., except metal, dms., c.l., same basis gal. .90 - —
l.c.l., same basis gal. .99 - —
tanks, same basis gal. .85 - —
meta fraction, over 7°C., b.r., dms., c.l., same basis gal. 1.01 - —
l.c.l., same basis gal. 1.04 - —
tanks, same basis gal. .90 - —
Xylidines, mixed, dms., c.l., truckload, works lb. .39 - —
l.c.l., same basis lb. .40 - —
tanks, same basis lb. .38 - —
Xylol, coaltar, indust., tanks, works, Bethlehem, Pa gal. .34 - —
Birmingham district gal. .32 - —
Chicago district gal. .35 - —
Cleveland district gal. .34½- —
Geneva, Utah gal. .27 - —
Johnstown, Pa. gal. .33 - —
Lackawanna, N. Y. gal. .35 - —
Lone Star, Tex gal. .33 - —
Lorain, Ohio gal. .33 - —
Middletown, Ohio gal. .34 - —
Minnequa, Colo gal. .34 - —
Philadelphia district gal. .34 - —
Pittsburgh district gal. .32 - —
Sparrows Point, Md gal. .34 - —
Terre Haute, Ind gal. .35 - —
Youngstown, O gal. .32½- —
petroleum, indust., tanks, works:—
Bayonne, N. J. gal. .34 - —
Baytown, Tex. gal. .33 - —
Chicago, Ill gal. .35 - —
Houston, Tex. gal. .35 - —
Philadelphia, Pa. gal. .34 - —
Providence, R. I. gal. .35 - —
Wood River, Ill. gal. .35 - —

Y

Yara yara, cns lb. 2.15 - 2.65
Yeast, brewer's, dry, USP, 50 Int'l B units per gram, 100-lb. dms lb. .47 - —
90 Int'l B units per gram, 100-lb dms lb. .52 - —
200 Int'l B units per gram, 100-lb dms lb. .56 - —
300 Int'l B units per gram, 100-lb dms lb. .60 - —
Yellow, barium chromate, CP, bbls., dlvd. N. l.c.l., dlvd N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island St. Louis St Paul lb. .35 - —

Yellow barium chromate price differentials in other States and city zones are those for chrome yellow below.

Benzidine AAA, bbls., dlvd lb. 2.00 - —
AAOT, bbls lb. 2.25 - —
Lightfast, bbls lb. 3.15 - —
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.85 - —
lithopone, all shades, bbls., frt. alld., E of Rockies lb. 1.15 - —

Cadmium yellows, Los Angeles and San Francisco, ex whse., 1c. per lb. higher.

Chrome, CP, bbls., dlvd. N. Tenn., and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island lb. .32 - —

Dlvd. Ala., Fla., Ga., La. (Shreveport 1½c. higher); Miss., N. C., S. C., Penna., Dallas, Tex. 1¼c. higher; Ft. Worth, Tex. 1½c. higher; El Paso Tex. 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph 1.6c. higher dlvd. Pac. Coast, for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Hansa 10 G, bbls., same basis as yellow, chrome lb. 2.15 - —
G pigment, bbls lb. 1.91 - —
Iron oxide, natural, French type, bgs., c.l., works lb. .05¼- —
Peruvian type, bgs., t.c.l. lb. .038 - —
pure, bgs., c.l., works lb. .10½- —
l.c.l., works lb. .10¾- —
Mercury oxide, bbls., 1,000-lb. lots. lb. 5.58 - —
smaller lots lb. 5.60 - —
Ocher (see Yellow, iron oxide, natural).
Zinc (chromate), bbls., dlvd lb. .26 - —
basic, dlvd lb. .31 - —
Yerba santa leaves, bls lb. .40 - .42
Yohimbine hydrochloride, bots, tin. oz. 4.50 - —

Z

Zein, bgs., 36,000-lb. lots or more lb. .38 - —
1,000 to 36,000-lb. lots, works lb. .40 - —
smaller lots, works lb. .43 - —
Zinc acetate, tech., bbls., dms., works lb. .27 - —
NF VIII, dms lb. .53 - —
Borate, bgs., c.l., dlvd. E lb. .192 - —
l.c.l., dlvd E lb. .202 - —
Chloride, NF, gran., dms lb. .42 - —
precipitated powd dms lb. .36 - —
soln., 50%, dms., c.l., works, 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 6.10 - —
tanks, works 100 lbs. 4.85 - —
Chloride, tech., fused, dms., c.l., works 100 lbs.10.10 - —
l.c.l., works, dms 100 lbs.10.60 - —
gran., fib., dms., c.l., works 100 lbs.10.85 - —
l.c.l., works 100 lbs.11.30 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., 1,000-lb. lots or more, works lb. .523 - —
smaller lots, works lb. .543 - —
Dust, pigment, bbls., c.l., works lb. .14¾- —
l.c.l., works lb. .15¾- —
Fluoride, bbls., works lb. .49 - .50
Hydrosulfite, dms., c.l., frt. alld., lb. .21½- —
l.c.l., frt. alld lb. .22 - .37½
Metal, prime western slabs, E. St. Louis lb. .11½- —
Naphthenate, liq., 8% Zn., dms., frt. alld lb. .24½- —
10% Zn, dms., frt alld lb. .30 - —
Oxide, pigment, American process, lead-free, bgs., c.l., dlvd lb. .13½- —
l.c.l., dlvd lb. .14½- —
leaded 35%, bgs., c.l., milled, bgs., c.l., works lb. .04½- —
l.c.l., dlvd lb. .15¼- —
80%, bgs., c.l., dlvd lb. .14⅝- —
l.c.l., dlvd lb. .15¾- —
Zinc oxide, pigment, French process, cml., green seal, bgs., c.l., dlvd lb. .15¼- —
l.c.l., dlvd lb .16¼- —
red seal, bgs., c.l., dlvd lb .14¾- —
l.c.l., dlvd lb. .15¾- —
white seal, bgs., c.l., dlvd. lb. .15¾- —
USP, ctns., c.l., dlvd lb. .16¾- —
l.c.l., dlvd lb. 17¾- —

Zinc oxide Pac. coast prices 1c higher.

Phenolsulfonate, NF, gran., dms. lb. .39 - —
powd., dms lb. .42 - .49
Resinate, precip., 7.2-7.6% Zn, dms., frt. alld lb. .29 - —
Silicofluoride, bbls., works lb. .12 - .13
Stearate, tech., USP, ctns., c.l. lb. .37 - —
l.c.l., lb. .38 - .42
Sulfate cryst., 22% Zn, bgs., c.l., works, frt. alld 100 lbs. 8.05 - —
l.c.l., same basis 100 lbs. 8.60 - —
flake, 25½%, Zn, bgs., c.l., works, 100 lbs. 5.85 - 7.40
l.c.l., works 100 lbs. 6.85 - 7.90
powd., monohydrate, 36% Zn, bgs., c.l., dlvd. E. 100 lbs. 8.25 - —
l.c.l., dlvd. E 100 lbs. 9.25 - —
Zinc sulfate in bbls. 40c. higher.
USP gran dms lb .26 - —
Sulfide, pure, bgs., c.l., dlvd lb. .2530- —
Undecylenate, dms. lb 2.25 - 2.50
Yellow (see Yellow, zinc).
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 9.65 - —
bbls., c.l., works 100 lbs.10.25 - —
l.c.l., bbls., works 100 lbs.10.75 - —
Zinc-formaldehyde sulfoxylate, basic, dms., c.l lb. .25½- —
l.c.l. lb. .26 - .41½
normal, dms., l.c.l., works lb. .52 - —
Zircon (G), gran., bgs., c.l., works, lb. .03½- —
5 tons to c.l., works lb. .03⅝- —
1 ton to 9,999-lb. lots, works, lb. .04 - —
smaller lots, works lb. .06½- —
milled, bgs., c.l., works lb. .04½- —
5 tons to c.l., works lb. .04⅝- —
1 ton to 9,999-lb. lots, works, lb. .04⅝- —
500 to 1,999-lb. lots, works, lb. .07½- —

Zircon (G) in barrels, 1c. higher.

Zirconium acetate, 13% soln. ZrO_2, c.l., 30,000 lbs. minimum, works lb. .23 - —
Hydride, cns., works lb. 7.60 - 8.45
Nitrate, dms., ex whse lb. 4.50 - 7.00
Oxide, 92½%-99%, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric-fused, bgs., c.l., works lb. .44 - —
5-ton lots, works lb. .44½- —
1 ton to 9,999-lb. lots, lbs., works lb. .45 - —
CP, white, grd., bbls., or bgs., works lb. 1.50 - —
lump, electric fused, bags, 500 to 1,999-lb. lots, works lb. .45½- —
smaller lots, works, lb. .48 - —
milled, electric-fused, bgs., c.l., works lb. .59 - —
5-ton lots, works lb. .59½- —
1 ton to 9,999-lb. lots, works lb. .60 - —
500 to 1,999-lb. lots, works lb. .60½- —
smaller lots, works, lb. .63 - —
Oxychloride, cryst., ctns., 5-ton lots, works lb. .35½- —

Tung Imports Are Seen Strong From Argentina

The Foreign Agricultural Service has said that Argentine exports of tung oil to the United States during February 1955 were reported preliminary at 110 short tons. Exports in the five-month period—October 1954 through February 1955—which presumably would enter the United States in November-March, amounted to 7,574 tons on the basis of the preliminary data now available. This tonnage is over two-thirds of the total agreed maximum of 21,800,000 pounds (10,900 tons) that may enter the United States from Argentina during the United States marketing year ending October 31.

Paraguayan exports of tung oil to the United States during February amounted to 139 tons. This is the first reported shipment from that country during the October 1954-February 1955 period and represents over 10 percent of the maximum 2,600,000 pounds (1,300 tons) that may enter this country from Paraguay during this marketing year.

The Argentine Trade Promotion Institute (IAPI) recently has sold on sterling or dollar contracts 1,984 tons of tung oil allegedly destined for England and 220 tons destined for Germany.

Philadelphia Quartz Company Has Publication on Treating of Concrete

Philadelphia Quartz Company is offering a folder entitled, "Treating Concrete With O Silicate," which may be obtained by writing to the company at its office in the Public Ledger Building, Philadelphia. The sodium silicate's function is to penetrate concrete surfaces and set up hard "gel formations" within cell pores, the company points out. This is said to dustproof the surface and make the concrete resistant to oil, water and acids.

Johnson Improves Floor Finish Item

S. C. Johnson & Son, Inc., Racine, Wis., has added a new "Strip-Easy" formula to its heavy duty hard-gloss floor finish. According to the company, the new development permits the easy removal of the finish with Johnson's wax-strip floor cleaner and water. The product, Johnson reports, will not trap dirt, will not water spot, is slip retardant, has a far brighter gloss than any self-polishing wax, never requires buffing and will not discolor light floors.

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Picking on Oleomargarine

Viewed at certain angles, the action of the lower house of congress increasing the appropriation for the Food and Drug Administration has at least some measure of gratifying connotation. But, the intent behind the findings of the committee, which the action approved, has so many facets—not all of them clearly contribute to attractiveness—that it is impossible to appraise the action as a whole; any approach to its proper evaluation must await knowledge of how it will work.

It is not possible to see in what manner, if at all, the increasing of the funds available to FDA will go along with the Hoover commission's recommendations for improvement in the construction and functioning of the agency. Apparently the financing of the investigation suggested in that connection has not been covered in the appropriation. And there is a deal of ambiguity about the intent of the house committee with respect of specific activities which it seems to have had in mind.

One question in that connection has to do with what was behind the specific citation of "better enforcement of the oleomargarine laws." What sort of a picture of public need in that direction was presented to the committee—by, or in behalf of, whom? Of course, oleomargarine has been an outcast under all sorts of circumstances for a long time. In a singing exercises book used in public schools in Pennsylvania some sixty years ago there was a somewhat burlesque spiritual, "In the Bright Land Over Yonder Where You See the Angels Stand," in which, along with such lines as:—

> Infidels cannot come 'round where you see the angels stand.
> Ingersoll will not be found where you see the angels stand.

Was this one:—

> There's no oleomargarine where you see the angels stand.

The power behind the push to keep oleomargarine out of the land of the angels has grown mightily in the past half-century. It does not relish the snub it got in the legalizing of colored oleomargarine in interstate commerce. It is cogitating in various realms of retaliation. This may be one of the results. From an autocracy which does not strive only to monopolize the providing of a fatty spread for our daily bread one can expect a great variety of endeavors to block any inroads upon that sacred area. One can already know of attempts to monopolize the use of such common English words as "butter" and "cream." If it were not for diversities of interest throughout the butterbund, there would be no peanut butter on the market. In fact, there doubtless would be great, noisy agitation against the use of such terms as "cacaobutter," "almond cream," "coconut milk," and "headcheese"; perhaps in due course against "butternut," "maple cream," and even the popular post-ice cream terms on the gourmets' menu—the "creme de's."

Some sort of light—or shadow—may be cast upon that somewhat vague "specific" intent about oleomargarine by the bill in the house (H. R. 3692) which has to do with imitations of food and would amend the FDC act to place controls on such articles of commerce. The bill does not say, in so many words, that oleomargarine would be regarded as an imitation of butter—but such an interpretation would be read into the measure by those who so regard it. Two sorts of controls are proposed: one for imitations of foods for which definitions and standards of identity have been established under relevant laws; one for imitations of foods not so identified. As butter is defined and identified it would not be required that "imitating" (?) oleomargarine would have to be labeled as imitation butter—but it would have to conform to a definition and standard of identity, perhaps the same as those established for butter; the bill is not clear on that point.

If the proposed amendment to the FDC act would be included among the oleomargarine laws for which the appropriations committee specifically directs better enforcement, H. R. 3692 should be tossed into the incinerator. If the people of the United States are not to be placed in bondage under the butterbund, the senate, which, at least theoretically, represents the people of the United States, should emend the appropriations bill so as definitely to keep oleomargarine what it is, a common, useful article of food which requires no special attention under the laws which have to do with such things.

The butterbund should get out of the nineteenth century in other things than the mechanization of milking. It should look at and learn from the experiences of other agricultural groups in connection with such things as manmade fibers and synthetic resins. It has a big field in which to operate constructively. It has the makings of big possibilities by way of cooperative endeavors. It can make good margarine. It can reduce milk to powder and distribute it by mail. It can greatly expand its activities in the making and marketing—again by mail—of cheese. It could be that that "imitation" bill might put a pinch on some of the modernistic popular concoctions of that good old food. On a narrower scale, the butterbund might learn something from recent advertising by small dairy farms in local newspapers in New Jersey where there has been much haranguing over various government-made pricing schemes. "Come and get it," said an ad, "at the farm price; bring your own containers."

Confusion in Cotton

Politicomics is a confused calling, especially in a governmental setting such as exists in the United States, because of the number and variety and location of channels through which the legislative and administrative branches seek or are given ideas, hints, and orders—or what pass for such in that "profession." All of which is confused further by the fact that the two members of the legislative branch are not served by the same channels; nor are any two of the departments or other agencies on the administrative side.

So it is that the lower house of congress would boost the 1955 cotton acreage quota 3 percent all around in order that there might be more cotton for some reason or another; while an upper house committee would pinch out the helping toward more support income to 0.5 percent on a state basis, with some special handouts for small planters.

That would not be too bad in anything but possible feelings of inequity in the sharing of the drag on the nation's taxpayers. But, in the other ring of the big tent there has been a reducing of the support of the price of cottonseed oil with a purpose of keeping down the output. That puts the disposing of cottonseed in a strange position because, if more cotton is to be grown, more seed will be produced, perhaps to be taken in by way of surplus steam-shoveling to need more hunting and paying for facilities for its storage.

Somebody should have seen to it that the agronomic scientists of the Department of Agriculture developed a cotton with a seedless lint boll in time for the 1955 planting. It may not be too late for the animal husbandry experts to pass around the word on how to use cottonseed in the broadening feeding of razorback hogs.

More Dabbling in Dopery

There are some encouraging indications that none of the many antinarcotic bills pending in congress, especially senate joint resolution 19, will go through retaining the particularly controversial provision that the Bureau of Narcotics be transferred from the Department of the Treasury to the Department of Justice. There is no good reason for such a change. Interested congressional leaders are recognizing that there are several good and also logical reasons why it should not be made. The Department of Justice is neither equipped nor otherwise qualified to handle the narcotics administration job, which is in largest part not a prosecution job. Narcotics are not articles of crime or other illegality. They are a necessity for the public health. It must be admitted that they are detrimentally misused—so are alcohol and automobiles—but the place to deal with their misuse is where it is committed.

The existing policy and system of narcotics administration are based upon and influenced by years of experience, out of which have come understanding and confidence between the bureau and the drug trade—which has done at least as much as any other group to combat the narcotics evil. Nothing could be or would be gained with respect of public welfare in any disrupting of existing basic relations; and the period of transition could make weak spots in the overall control

The value of other propositions in the antinarcotic bills is open to discussion on various points. It is difficult to see why local addicts should be treated in federal institutions. It certainly is not easy to go along with suggestions, met in other areas, especially in the courts that poor addicts be provided with narcotics free "to keep them from continued life of crime." If it were possible to catch addicts in early stages, free treats to dope shots might be useful—in local agencies—if the tapering-off method were used. But, as is well known to anyone who has had experience in that connection, many addicts, perhaps the majority—including those who in tearful tones declare that they would give a hundred dollars to be rid of the habit—do not want to be cured. Also, it would take as large and as active a police force to keep up with addicts and readdicts as it would to stop the misuse of automobiles.

The one thing really good about S. J. Res. 19 is the heavy increase which it would make in the penalties for illegally trafficking in narcotics. But, the whole problem demands much more careful and capable study of all its aspects.

Washington Talks It Over

By Ralph L. Cherry
Chief, OPD Washington Bureau

Although the drug industry seems to have won its fight to prevent transfer of the Narcotics Bureau from the Treasury to the Justice department, it isn't out of the woods yet on the overall matter of drug addiction and now to curb it. It is quite probable that the industry may be in for some rough periods when a special committee of the senate to study juvenile delinquency starts digging into the subject.

The senate recently renewed the authority of the committee to continue its juvenile deliquency studies, and insofar as this study might have a bearing on the drug industry, the following excerpt from last year's report of the subcommittee should not be overlooked:—

"In further study of the juvenile drug problem, the subcommittee found widespread use of barbiturates better known teen-agers as 'goof balls.' These drugs act as a stimulant when taken with soft drinks or alcoholic beverages, causing the user to lose all inhibition and control. The drugs are not harmless, as many people believe. Continued use will cause an addiction more severe than narcotic addiction and requiring lengthy treatment.

"Manufacture of barbiturates in the United States far exceeds any possible normal use of the drug. This year the subcommittee hopes to get at the root of the problem, the solution of which may rest in federal regulation of these drugs. We feel that there is a pressing need for control on the national level through the interstate commerce powers or the taxing power of the federal government."

Industry's Use of Water

The census of manufactures now being taken by the Census Bureau has a new feature that will be of interest to the chemical industry. For the first time, the bureau is making an actual canvass on the industrial use of water from all manufacturing establishments. Such information was collected on a limited basis last year, but only establishments using 20,000,000 or more gallons were asked to report.

Supplies of water for industrial purposes is becoming an ever increasing problem and more and more efforts are being made for the re-use of water in order to cut down on total needs. This is not only true within the chemical industry, but it also means business for the chemical industry in supplying the necessary purifying agents.

According to preliminary data of the 1953 annual survey of manufactures, establishments using 20,000,000 gallons or more averaged about 1,500,000 gallons per employee. This ratio varied greatly among industries. The highest ratio was for blast furnaces, which had a water intake of nearly 24,000,000 gallons per employee. Other high ratios were 17,000,000 gallons per employee for manufacture of alkalies and chlorine products; 14,000,000 gallons for organic chemicals; 12,000,000 gallons in pulp mills and 11,000,000 gallons in petroleum refining.

Narcotics Reporting Change Weighed

The Hoover Commission's task force, which is studying ways and means of easing the paper and record filing burdens placed on industry by government agencies, is thinking of recommending a change in the reporting of narcotics production and shipments to the Narcotics Bureau. It is thought that some uniformity in the reporting requirements might be helpful all around.

As matters now stand, reports on most of the old narcotics is made to the bureau on the basis of the largely out-moded apothecary system of weights. On the other hand, most of the new narcotics are reported on the basis of the metric system of weights. This is in keeping with the trend generally throughout the drug industry in discussing drug doses in terms of milligrams rather than grains.

It will take considerable educating of the physicians by the drug manufacturers before the effects of a change in the weight systems can be fully effective. Physicians have always dispensed morphine and other old-line narcotics on the basis of a half-grain or full grain and they can't be expected overnight to change this custom. For the manufacturers it would mean that they would have to continue to label the narcotics with the apothecary equivalent until the use of the metric system is more widely accepted by the doctors.

The price of vitamin A in bulk is now little more than one-quarter of what it was in 1948. This suggests new consideration of earlier vitamin A product policies.

1948 was the year when, under the trade-mark "Myvax," the first man-made vitamin A became available on the American market in commercial quantity. The very large volume of Myvax Vitamin A production since then has had much to do with the drop in price. *Distillation Products Industries*, Rochester 3, N. Y. Sales offices: New York, Chicago, and Memphis • W. M. Gillies and Company, Los Angeles, Portland, and San Francisco • Charles Albert Smith Limited, Montreal and Toronto.

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Heavy Chemicals

For the second time this year copper was boosted by 3 cents, resulting in a price twenty percent higher than that at the beginning of the year. Following the rise, several of the copper chemicals advanced, including all types of sulfate, carbonate, chloride and hydrate. Increases for the chemicals ranged from one to two dollars per hundred pounds.

Three strikes against the chemical industry caused distress among producers last week. One was at the plant of a major alkali producer, and as a result, soda ash, caustic soda and other alkalies were brought into less comfortable balance than previously. A short but vital railroad line in Niagara Falls was strikebound, slowing intake of raw materials and output of finished goods at several of the major alkali producers' plants. It was felt that this strike in the long run could be very crippling. A southern railroad strike tied up a large producer of sulfuric acid, forcing industries which normally took acid from the plant for superphosphate production to turn to other producers and pay higher freight rates.

Export of industrial chemicals from the United States in 1954 totaled 149,900,000, as compared with $119,000,000 in 1953, according to the Bureau of Foreign Commerce. Imports for 1954 amounted to $58,300,000, as compared with $74,600,000 in 1953.

The American Paper and Pulp Association reported production for the week ended April 2 as 94.4 percent of theoretical capacity, as compared with the revised figure of 96.3 percent for the previous week, and 92.8 percent for the corresponding week of last year.

The following figures compiled by the Bureau of Census show annual production of selected acids, in tons.

	*1954	1953
Acid, chromic	13,191	15,525
Hydrochloric	740,604	773,500
Hydrofluoric	51,910	51,845
Nitric	1,996,472	1,764,362
Phosphoric	2,957,876	2,646,967
Sulfuric	14,000,519	14,002,534

*Preliminary.

Acid, Hydrochloric—Business held up well in the northeastern and midwestern sections of the country during the week, and producers reported good movement of acid in all types of containers. The railroad strike in the Niagara Falls area was reported to have sharply curtailed output by some producers at midweek, and it was felt that if the strike was of any duration, supplies in the area could become short.

Acid, Sulfuric—Steel production was estimated at 93.6 percent of capacity last week, or 2,258,000 tons, as against an actual 93.7 percent the previous week, or 2,262,000 tons. This continuing high rate of output caused large volume withdrawals of acid by steel mills and fabricators.

The railroad strike in the south which has shortened operations in a large sulfuric plant has not severely hurt consuming industries in the areas supplied by the plant, according to trade sources. It was said that users of the acid were able to get what they needed by paying higher freight rates to plants located outside the strikebound area. Fertilizer output in the south has not been slowed down as a result of the strike, and due to current comfortable stocks of materials, it was not expected that the agricultural industry would be hurt unless the strike spread, or was of long duration.

Aluminum Chloride—Production of anhydrous aluminum chloride in 1954 amounted to 33,863 tons, according to preliminary figures released by the Bureau of Census. This figure was somewhat under the total of 35,139 tons produced in 1953. Liquid and crystal (32 degree Be) output in 1954 amounted to 10,606 tons, as against 13,295 tons produced in 1953.

Chlorine—The alkali industry was plagued by strikes during the week. A major producer of chlorine and the alkalies was still on strike. The walkout, which is going into its tenth week, has kept other manufacturers busy filling orders which cannot be covered by the strikebound plant. Negotiations were progressing, but it could not be definitely said as to when the strike would end, although there was some optimism.

Meanwhile, as other plants were operating at higher rates in order to fill needs among alkali consumers, a short but vital railroad in Niagara Falls was out on strike, and this dispute caused increasing difficulties in shipping materials from several of the major alkali manufacturers. Problems were encountered both in shipping finished liquid goods and in bringing in raw materials. Increased trucking operations were said to be taking up a good bit of the slack, but producers in the Niagara Falls area became more and more aware as the week progressed that should the railroad tieup be of any length, production of many items would be brought to a relative standstill.

This predicament applied particularly to chlorine, and it was felt that since tankcar and steel container shipment could not be made, the potential oversupply of chlorine in the area could choke off production of other alkalies made by the electrolytic cell process.

Copper Chemicals—For the second time in less than three months, a rash of price increases in the chemicals took place following an increase in copper metal quotations. All grades of copper sulfate were boosted from $1 to $2 per hundred pounds. New price for CP sulfate was quoted at 19.15c. per pound, barrels, f.o.b. works; 99 percent crystals, $12.25 per hundred pounds, carlots, same basis, and $12.75 to $13.25 per pound, less carlots, same basis; monohydrated 35 percent, $19.75 per pound, drums, carlots, same basis and $20.50 per pound, less carlots, same basis; tribasic, dealers, $26.25 per hundred pounds, bags, carlots, same basis, and $27.25 to $28.25 per hundred pounds, less carlots, same basis.

Carbonate was higher by 1c. per pound, quoted at 30c. to 31c. per pound, bags, f.o.b. works. Chloride was also raised, as was hydrate. Anhydrous chloride was quoted at 41½c. per pound, barrels, works, and crystals, 29c. to 29½c. per pound, same basis. Hydrate listed at 45¼c. to 45¾c. per pound, drums, freight allowed east of the Mississippi.

Those chemicals which rely primarily on copper scrap as a raw material showed mixed reaction. Two items, oxychloride and cyanide, anticipated the general boost by moving during the previous two weeks. Copper acetate moved higher by 3c. per pound late in the week. Material was quoted at 43c. per pound, barrels, carlots, f.o.b. works, and less carlots, 44c. per pound, same basis.

Potash, Caustic—Two of the major producers of caustic potash were affected last week by a railroad strike to the extent that operations had to be curtailed. Truck shipments in and out of the plants tried to fill the gap, and a number of solid materials could be shipped. However, the shortage of tankcars had serious effect on production, and liquid materials shipments lagged. Another problem in the area was the potential buildup that if the strike lasted much longer, the threat of a surplus of unstorable chlorine would sharply limit output.

The following figures compiled by the Bureau of Census show annual production of chlorine and the alkalies, in tons.

	(*)1954	1953
Chlorine gas	2,895,100	2,797,279
Potash, caustic, liq	75,291	85,809
solid	16,918	(†)
Soda ash, ammonia soda process, finished light	2,556,846	2,571,651
finished, dense	1,681,491	1,770,589
natural	511,333	423,706
Soda, caustic, electrolytic process, liq	2,915,201	2,758,432
dry	343,366	283,365
lime soda process, liq	478,678	504,052
dry	176,375	139,786
Sodum bicarbonate, crude	4,701,364	4,879,396
Sulfate, anhyd., refd	237,744	219,751
Glauber's salt	145,093	204,159
Saltcake, crude	663,476	739,146

* Preliminary
† Not available

Potassium Carbonate—Carbonate was also affected by the strike. Producers took a dismal view of the situation particularly because of currently strong demand. Inquiry for specialty glass, particularly television tubes, held up well although a sizable drop in shipments of television receivers to dealers was reported for January. Some 637,000 receivers were shipped

For Late Market Developments, See Page 4

Price Trends

Advanced

Copper acetate, 3c. per lb.
Carbonate, 2c. per lb.
Chloride, cryst., 1½c. per lb.
Hydrate, 2½c. per lb.
Metal, 3c. per lb.
Sulfate, CP, 1c. per lb.
cryst., 99%, $1 per 100 lbs.
monohydrated, $1.50 per 100 lbs.
tribasic, $2 per 100 lbs.
Mercury, $1 per flask.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
98.53	98.39	98.44	98.40

(For Current Prices see Page 9)

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in January, as against December's 1,014,227 units, and 612,622 sets shipped in January a year ago.

Soda Ash—The strike at the works of a major alkali producer, now going into its ninth week, continued to influence business. Manufacturers remaining in operation continued to produce at high levels in order to cover business needs. Demand from the glass industry was strong. Prices held steady and unchanged.

Soda, Caustic—A large producer in the Niagara Falls area was hampered by a railroad strike, and a labor dispute at the works of another manufacturer kept the market in an unsettled state during the week. The muddled picture was distressing, particularly in view of the current heavy consumption by rayon producers, chemical and other consumers.

Sodium Sulfate—Saltcake was judged to be in fairly well balanced supply last week following a period of several months in which cake was hard to get. Present price schedules were expected to continue unchanged. Paper mills, bought up for the last half of March, swung back into the market in order to cover April commitments. However, current viscose rayon byproduct cake output was good due to the high production rate maintained by the industry, and mannheim output was also reported higher than previously. As a result, trade sources felt that there would be enough cake on hand to adequately fill needs during the near future.

Nonferrous Metals

Copper—Major producers of copper boosted prices 3c. per pound last week. New price in effect for electrolytic copper was 33c. to 36c. per pound, delivered f.o.b. destination. Immediately following the increase, bids of up to 34½c. per pound were received for No. 2 scrap. Brass and bronze ingot prices rose 2½c. to 4c. per pound. Sheet and strip copper and brass also were boosted immediately following the increase in metal.

The London market gained impetus from the higher American price, reaching 45⅝c. per pound on spot last week for electrolytic copper. The shortage, both domestic and world, remained accute, and the Business and Defense Services Administration estimated that the shortage for American consumers would amount to about 11,000 tons of copper in April and 6,000 tons in May.

Strikes which have perilled the industry for the past year were threatened again this week, as Chilean miners were expected to walk out of the largest mines in the world on April 4 unless wage negotiations could be completed by that time. Copper fabricators in this country were afraid that the current severe shortage, unless alleviated soon, would force them to halt operations.

Mercury—The market was slightly firmer last week, although buying activity was quiet. Metal rose to $321 to $324 per flask.

Tin—The tin market fluctuated in a narrow range during the week, ending at 90⅞c. per pound, spot for Straits metal. The advance in copper was reflected by a stronger market in London and New York.

Titanium — A producer of sponge cut prices sharply last week, due to increased economy in operational costs, as well as to expand use of the metal in civilian applications. It was the first drop in price since the beginning of commercial production in 1948.

Pacific Coast Borax Opens Sales Office in Kansas City

Pacific Coast Borax Company, a division of Borax Consolidated, Ltd., New York, has opened a district sales office in Kansas City, Mo., to handle package, agricultural and industrial sales. Howard B. Cain will be the package department sales manager, and F. M. Dosch, assisted by J. G. Neckerman, will be in charge of the agricultural sales division. Jack Loessel is taking charge of the industrial sales division. The office will be located at 4010 Washington street.

Colorado Oil & Gas Elects

Richard I. Galland has been elected vice-president and general counsel of Colorado Oil & Gas Corporation, Denver, Colo. Mr. Galland has been chief counsel of Mathieson Chemical Corporation and its successor, Olin Mathieson Chemical Corporation, since 1950.

H. Reisman Corp. Moves Office

H. Reisman, president of H. Reisman Corporation, has announced that the company has moved into expanded quarters at 114 Liberty street, New York 6. The company had been located at 27 William street.

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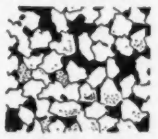

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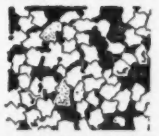

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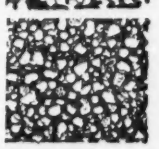

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Fair Trade Laws End Advocated by Panel

—*Continued from page 3*

exemption to arrangements between competing firms generates unresolved issues when an integral seller, operating his own distributive outlets, prices 'fair trade' with independent distributors competing on the same marketing level, or when a 'dual' supplier who directly serves retail-customers sets 'fair trade' prices for distributive intermediaries who equally vie for retail sales.

"In fact, the statutory recognition of 'fair trade' itself remains highly controversial. On the one hand, protection of 'fair trade' pricing through state and federal enactments stands vigorously backed by powerful organized retailers' and manufacturers' groups. On the other hand, the Department of Justice and the Federal Trade Commission in numerous past official policy pronouncements have registered adamant opposition to 'fair trade' as incompatible with the nation's antitrust policy of fostering free competition.

Legitimate Aims Acknowledged

"The committee acknowledges that 'fair trade' enactments reflect some legitimate commercial aims. Nationally advertised and branded consumer commodities readily lend themselves to loss-leader and cut-rate merchandising that can impair substatial investments in business goodwill. Such marketing tactics may alienate established distribution channels whose appeal to consumers emphasizes attractions other than price reductions. 'Fair trade' pricing enables manufacturers and other brand or trademark owners to invoke prompt legal sanctions to check unwelcomed promotional selling, thereby protecting 'quality' items from debasement in the consumer's mind. In fact, the objective of preserving investments in trademarks and business goodwill from destructive marketing tactics was the supreme court's rationale in the Old Dearborn case that upheld state 'fair trade' enactments.

"The committee, however, does not consider 'fair trade' pricing an appropriate instrumentality for such protection. Since state enactments vest absolute discretion in suppliers for determining the level of a 'fair trade' practice, the legislative price-setting authorization extends far beyond the essential guarantees of 'loss-leader' control. An effective 'fair trade' system, moreover, strikes not only at promotional price cutting, but at all price reductions which pass to the consumer the economies of competitive distribution.

"In no event can the committee condone another consequence of 'fair trade' pricing. Apart from manufacturers' interest in preserving trade symbols and commercial goodwill, 'fair trade' pricing may enable distributors to extinguish price competition. A distributor whose inventory consists largely of 'fair traded' products can carry on business freed from the pressures and tribulations of price competition. Accordingly, distributors in some segments of the economy advocate 'fair trade' pricing by suppliers as a legal means for obtaining the benefits of a horizontal price-fixing arrangement that the antitrust law forbids. It is the committee's view that 'fair trade' when used as a device for relieving distributors from the rigors of price competition is at odds with the most elementary principles of a dynamic free enterprise system.

Exemption Deemed Needless Compromise

"On balance, we guard the federal statuary exemption of 'fair trade' pricing as an unwarranted compromise of the basic tenets of national antitrust policy. We recognize that the legislatures of forty-five states have at some time accorded official sanction to 'fair trade' pricing; that the congress twice deferred to state enactments by creating federal 'fair trade' exemptions from antitrust prohibitions; and that without federal immunization 'fair trade' pricing, as a practical matter, cannot survive.

"Nevertheless, the throttling of price competition in the process of distribution that attends 'fair trade' pricing is, in our opinion, a deplorable yet inevitable concomitant of federal exemptive laws. Moreover, whatever may be the underlying legislative intent, any operative 'fair trade' system facilitates horizontal price-fixing efforts on the manufacturing and each succeeding distributive level. And the prominent existence of a federal price-fixing exemption not only symbolizes a radical departure from national antitrust policy without commensurate gains, but extends an invitation for further encroachment on the free-market philosophy that the antitrust laws subserve.

"We therefore recommend congressional repeal of both the Miller-Tydings amendment to the Sherman act and the McGuire amendment to the Federal Trade Commission act, thereby subjecting resale price maintenance, as other price-fixing practices, to those federal antitrust controls which safeguard the public by keeping the channels of distribution free."

Commenting on the committee's recommendation that congress repeal federal fair trade laws, the Bureau of Education on Fair Trade charged that the study group "would promote monopoly at the expense of small business." The bureau was joined in its statement by twenty national trade associations, four of them in the drug field.

In urging overturn of the fair trade statutes, the bureau declared, "the Attorney General's committee condemns the legislative enactments of forty-five states and of congress which are designed to provide an atmosphere of fair competition in which efficient small business can prosper, even though it does not have the dollar power of big business."

The bureau further noted "the curious preoccupation of the Attorney General's committee with fair trade as a legal basis for resale price maintenance, while remaining strangely silent on the other legally accepted bases which account for a larger amount of retail sales than does fair trade."

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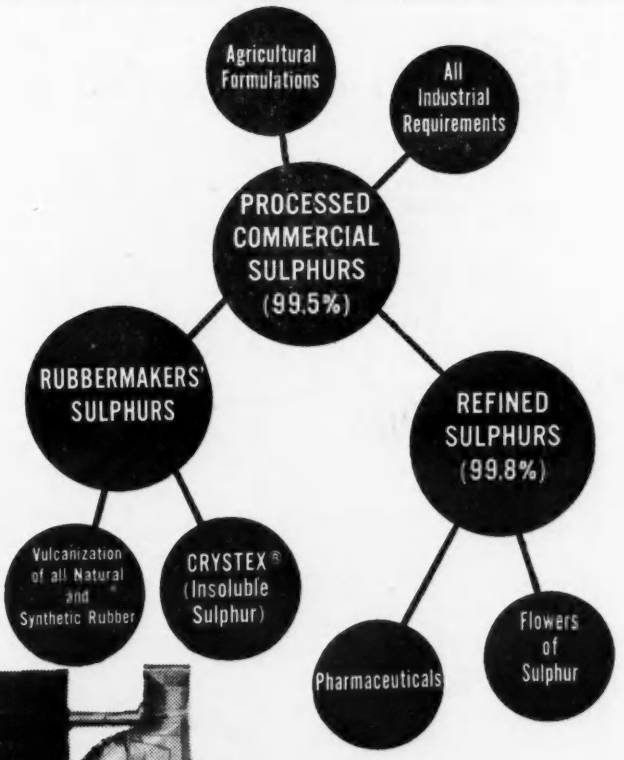

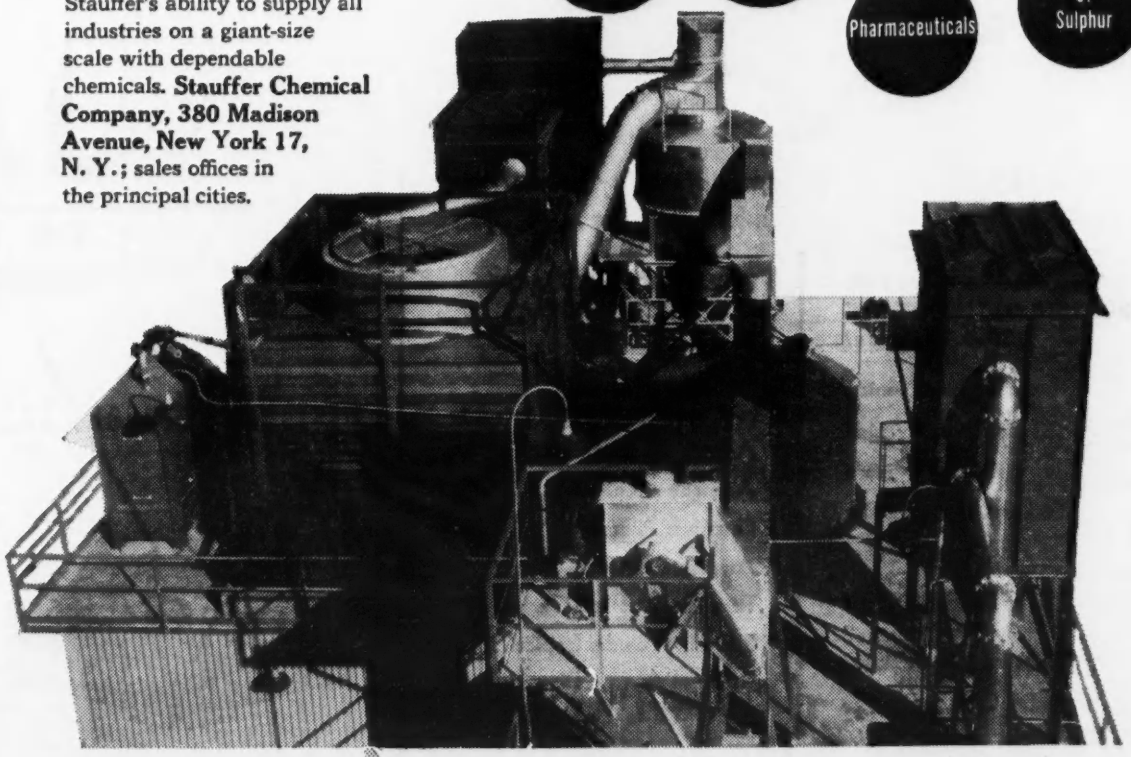

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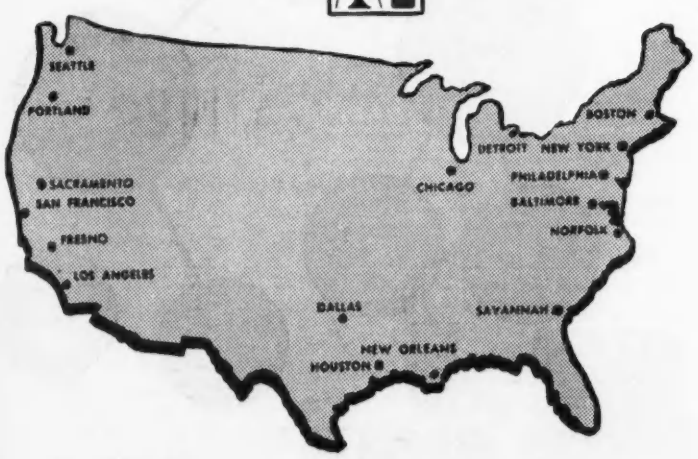

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Coaltar Products Makers Decry Tariff Cuts

—Continued from page 3

mates by the government as essential for partial mobilization. Imports are discouraging our industry from the expansion necessary to meet the government's defense goal."

As to the question of reducing the tariff on phenol, Monsanto noted that at the request of the government, capacity for producing this chemical has been increased upwards of 600,000,000 pounds at the request of the government and a reduction of the tariff on phenol under those conditions would constitute "an extreme violation of good faith." Production amounts to about 400,000,000 pounds annually.

The pigments department and the organic chemicals department of E. I. duPont de Nemours & Co., Wilmington, Del., also protested duty reductions on dyestuffs. The brief noted that dye manufacturing is a vital segment of the American organic chemical industry, employing over 7,500 people with a payroll exceeding $45,000,000.

Ruinous Price War Seen

Domestic capacity to produce is substantially in excess of domestic requirements which has resulted in vigorous price competition with margins between cost and selling price very narrow, it was emphasized. Large scale entry of European manufacturers into the domestic market will drive prices down further and precipitate a ruinous price war, it was added.

The brief pointed out that labor constitutes on the average 45 percent of the cost of a coaltar dye in this country and "no degree of efficiency or ingenuity can compensate for the difference in labor costs" between US producers and foreign producers. The following comparisons in wage rates in dye manufacturing plants were submitted:—US, $2.25 to $2.50 an hour; Switzerland, 60 cents; England, 53 cents; France, 49 cents; Germany, 42 cents; Italy, 26 cents, and Japan, 26 cents.

"Installed capacity for dye manufacture in OEEC [Organization for European Economic Co-operation] countries greatly exceeds their domestic consumption," it was stated. "More than 45 percent of their production since 1949 has been exported. It is evident that European dye producers are fully able to take a substantial portion of the United States domestic market.

Indigo As Case in Point

"While indigo is not included in the current announced trade negotiations with Switzerland, it presents a striking example of the ability of the European industry to take over the domestic market. Indigo is one of the few dyes produced in tonnage in the United States. The ratio of labor costs to total cost is probably lower than for any other coaltar dye, a factor which might be regarded as indicating less tariff protection on indigo than on other coaltar dyes and pigments.

"In spite of this low labor ratio and large volume, German exporters supplied 50 percent of domestic consumption the latter part of 1954. Imports increasd steadily throughout 1954 and at c.i.f. prices well below our cost of production. Our indigo manufacturing unit was forced to shut down five months in 1954 because of this ruinous import competition. It is interesting to note that the German exporters have been able to take over a large segment of the domestic indigo business at 78 cents per pound, c.i.f. New York. At the same time, they are offering indigo in other countries at 67 cents per pound c.i.f."

Situation of Small Producer

Richard Kithil, vice-president of the Carwin Company, North Haven, Conn., described his company as typically small business, employing about 100 people in the manufacture of organic chemicals. He said that every pound of imported dye or pigment that is sold in the United States displaces a pound of domestic dye or pigment that might otherwise be sold

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and means that much less product to be made and sold by our domestic customer. "Our bread and butter is the American manufacturer," he said. "If he suffers loss of business, we, as his raw material supplier, also suffer."

He said that the "creeping encroachment on our markets" by imported chemicals as a result of the reductions in duties permitted by the Torquay agreement, has forced his company to operate on a less profitable and less secure basis. He stated that one major manufacturing building has been forced into near idleness because of increased imports of m-aminophenol at reduced rates permitted by the Torquay agreement.

"Injuries An Accomplished Fact"

Richard F. Hansen, of Allied Chemical & Dye Corporation, New York, testified that "serious injuries to our dye operations have become an accomplished fact," adding that Allied's return on investment in its dye operations has approached the vanishing point.

Members of the Tariff Commission strongly indicated, however, that they could not follow the arguments of the industry in blaming present conditions on imports alone. Commissioner Lynn R. Edminster referred to figures showing imports by volume and by value had increased comparatively little since 1951. Chairman Edgar Brossard added that imports have amounted to only 2 or 2½ percent of domestic production while exports are four times as large as imports. In the face of that, it is difficult to see how the domestic industry has been injured, he stated.

Mr. Hansen argued that the effect of imports on the price of dyes in this country far exceeds the importance of the volume brought in. The consequences are that the relatively small amount imported controls the price and the industry must keep its price down to retain the market, he said. There is no incentive in the industry to invest in new production under current conditions, be declared, and there is no incentive to expand in the face of possible tariff cuts.

E. M. May, president of Otto B. May, Inc., Newark, N. J., testified that his company's principal production line at the present time is a range of anthraquinone vat dyes, which was started just before World War II and expanded to cover nearly the complete spectrum of the textile industry. At the present time, however, the company is operating at only two-thirds capacity and is trying its best to keep its expanded technical staff intact by reducing the workweek.

80-85 Percent Loss Reported

He stated that since 1949, when world demand for dyes began to be satisfied from European factories, his firm has suffered a loss of 80 to 85 percent of its export market, and increased competition domestically from substantial imports of the dyestuffs it manufactures, an increase in the number of vat dye producers, and additional capital investment on the part of existing producers to increase their capacity. In addition, he said, depressed condition of the textile industry itself has caused a decline in dye production.

Eugene A. Markush of Pharma Chemical Corporation, New York, emphasized that the manufacture of dyestuffs is a highly specialized field that has been declining in the United States but which is essential to the development of organic chemical technology. Imports of dyes have already depressed dye prices to a peril point, he said, which has forced his company to discontinue construction of a new plant.

Chandler T. White of General Aniline & Film Corporation said that his company has lost 34 percent of its dye production and maintainance workers because of reductions in output since 1948 and is now operating at only 50 to 60 percent of capacity. Although imports are small, he said, they have tremendous impact on production.

Albert Bendelius of Pfister Chemical Works, Inc., Ridgefield, N. J., said that his company has experienced first hand the "disastrous effects of tariff reduction and is threatened with extinction as a manufacturer of naphthols."

In testimony before the Committee for Reciprocity Information, Samuel Lenher, president of the Synthetic Organic Chemical Manufacturers Society, reviewed the history of tariff policy of protecting the synthetic chemical industry and questioned the legal authority to reduce tariffs to compensate Switzerland for the increase in tariffs on watches.

Atlas Carbons Sales Office Transferred to Wilmington

Atlas Powder Company, Wilmington, Del., has transferred sales headquarters for its "Darco" activated carbons from New York to Wilmington, Del., and has named Dr. Holmes J. Fornwalt manager of "Darco" sales.

The new "Darco" headquarters is located in the recently completed Atlas building in the Wilmington suburbs, where Atlas' general offices are located. Dr. Fornwalt had been a sales representative in New York.

Philadelphia Concerns Merge

Industrial Oil Products Corporation and Merchant Products Corporation, both Philadelphia, which have been operating as separate concerns, have merged into one organization. Merchant Products, the surviving company, has elected Fred E. Loud, chairman; S. Nelson MacFaul, president; Carl M. Obeck and James D. Hancock, vice-presidents; R. E. Erickson, treasurer; H. L. Zoerner, secretary, and John R. Jones, jr., assistant treasurer and secretary.

Frank Kay on Walworth Co. Board

Frank Kay, president of Barclay Chemical Company, New York, has been elected a director of the Walworth Company.

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Textile and Leather Chemicals

Price Trends

Advanced
None
Reduced
Egg albumen, flake, 4c. per lb.
powder, 4c. per lb.
Yolk, 5c. per lb.

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
102.11	102.12	100.00	95.66

(For Current Prices see Page 9)

Steady consuming demand was noted for most textile and leather chemicals for prompt requirements last week. Interest in replacements for forward delivery also was quite active. Price structure remained firm, with the exception of egg derivatives. Lower egg market resulted in further reductions in flake egg albumin which declined 4 cents per pound and egg yolk, 5 cents per pound.

In sizing materials, potato starch remained firm and in limited supply. Production in Maine was affected by snow and ice storms and the bulk of the output was moved against backlog of orders. Production in Idaho also was limited, with some grinders reported temporarily out of the market. A good consuming inquiry was noted for tapioca flour replacements from primary sources, especially from Siam and Java. Trading Brazilian flour was light and spotty, with offers for shipment quite liberal at unchanged quotations. Corn starch and dextrin continued in good request for prompt needs.

Tanners continued to show moderate interest in tanning material replacements, with actual sales restricted to fill-in needs. Primary markets were steady and unchanged, except solid myrobalans extract for shipment, which was advanced fractionally due to higher ocean freight rates, effective April 15.

Fiber consumption on the woolen and worsted systems during February was 4 percent above January and 16 percent larger than February last year, according to the Census Bureau. Weekly average raw wool consumption in February was 8,174,000 pounds, scoured basis 4 percent above January and 11 percent above February, 1954. Consumption of carpet class wool in February was 2 percent larger than in January and 4 percent above February last year; apparel class wool, 5 percent above January and 14 percent larger than February, 1954. Consumption of fibers other than raw wool averaged 5,344,000 pounds or 4 percent above January average and 24 percent above February last year.

Chemicals

Bichromates — Consumers continued to absorb sizable quantities against standing contracts. Market was firm for all grades at prevailing quotations. Demand for spot delivery also was reported quite active.

Sodium Acetate—Business was reported limited to prompt delivery. Quotations were without change.

Sodium Hydrosulfite—Buying interest was reported moderate, chiefly for prompt needs. Prices were without change and well held.

Sulfonated Oils—Trading was confined to actual needs. All varieties were maintained at current prices.

Sizing Materials

Albumin Blood—Business was reported fairly active for prompt delivery. Stocks were ample and available in sizable quantities for immediate delivery. Prices were maintained at 65c. to 80c. per pound, according to quantity.

Corn Dextrin—All grades were quotably unchanged and steady. Trading was fairly active for prompt requirements Gum was quoted at $8.95 per 100 pounds, paper bags, carlots, New York delivery; canary $8.69, dark $8.79, and white $8.53, same basis. Less carlots were 15c. per 100 pounds higher.

Corn Starch — Good volume was reported moving into consuming channels for prompt delivery. Market was steady and quotably unchanged. Pearl was quoted at $7.14 per 100 pounds, paper bags, carlots, and powder, $7.29 per 100 pounds, New York basis. Smaller quantities were 15c. per 100 pounds higher. Visible corn supply was smaller, declining 1,562,000 bushels to 41,370,000 bushels for the week ending March 25, against 31,006,000 bushels for the corresponding week last year, according to the Chicago Board of Trade.

The Department of Agriculture has announced that minimum price support rates for 1955-crop corn in the commercial and non-commercial corn-producing areas will be based on $1.58 per bushel, which is 87 percent of the February 15 corn parity price, compared with $1.62 per bushel in 1954. Support rates in the commercial corn-producing area will be at 87 percent level, but because corn acreage allotments are in effect in the commercial areas, the law provides that rates in the non-commercial producing area will be 75 percent of the commercial area rates. The support level for 1955-crop corn was set for a variable support level on the basis of the estimated supply of corn. (For 1955 this variable range is 82½-90 percent of parity.) The supply of corn for the 1955-56 marketing year has been estimated as of October 1 at a little more than 107 percent of the normal supply. This indicates a support level of not less than 87 percent of parity for 1955-crop corn.

Egg Albumin—Lower cost of production continued to affect this market. Flake was easier, declining 4c. per pound, while the technical grade was unchanged. Consumers also limited purchases to actual needs, preferring to await further developments pricewise. Flake was quoted at $1.66 to $1.68 per pound and powder, $1.70 to $1.72 per pound, depending upon quantity.

Egg Yolk—Price trend of yolk continued downward, due to the lower cost of eggs. Stocks on the spot were reduced to $1.12 to $1.14 per pound, according to quantity. Demand was slow and confined to actual needs.

Potato Starch—Consuming inquiry for prompt and later requirements was quite active. Market was firm and unchanged. Offers from mills were limited due to light production, which was delivered against a large backlog of orders. Carlots were maintained at 6¾c. per pound, f.o.b. mills, Maine, prompt shipment. Stocks on spot were held at 8¾c. to 9¼c. per pound, exwarehouse, as to quantity. Output in Idaho also was reported limited. Offerings were scarce and carlots were more or less nominal at 6¾c. per pound, carlots, mills, and ½c. per pound less for shipment to eastern destinations.

Tapioca Flour—Market remained steady at prevailing quotations. Good inquiry was noted for replacements from primary sources. Siamese flour of good quality was maintained at 6¼c. to 6½c. per pound, carlots, exdock, for prompt shipment and mediums at 5.85c., same basis. AAA Java was held at 6.10c. per pound, same basis. Interest in Brazilian was reported light. Offers for shipment continued liberal from Brazil around 6¾c. per pound, carlots, exdock. Spot stocks were unchanged at 8¼c. to 9c. per pound, according to quantity.

Tanning Materials

Chestnut Extract—Business was reported spotty for prompt requirements. Prices were unchanged and steady. Liquid 25 percent tannin was quoted at 4c. per pound, tankcars, f.o.b. works; 4¾c. per pound, barrels, carlots, and 5.10c. barrels, less carlots; powdered 60 percent tannin, 10.32c. per pound, bags, carlots, and 11.02c. bags, less carlots, same basis.

Cutch — Market was quiet and unchanged at 8½c. per pound, exdock, plus duty for prompt shipment.

Myrobalans—Conditions in this market remained steady. Trading was light and spotty. All grades were well held at former levels, except solid extract, which was higher at 7¾c. per pound, exdock, plus duty, as a result of increased ocean freight rates, effective April 15. Assorted J1's were unchanged at $60 per ton; crushed, $78; and Bombay, $56 per ton, same basis.

Quebracho Extract — Trading was restricted to occasional lots for prompt shipment. Primary market was unchanged and firm. Solid ordinary guaranteed 63 percent tannin was quoted at 11 21/32c. per pound, exdock, plus duty, and clarified, 64 percent at 12 23/64c. per pound, same basis.

Wattle—This market was inactive, but steady. Offers for shipment were well held at prevailing quotations. Fair average bark was quoted at $98 per ton, exdock, and merchantable at $94 per ton, same basis. East African extract, 60 percent tannin, was offered at 9¾c. per pound, exdock, plus duty and South African at 10c. per pound, same basis.

For Late Market Developments, See Page 4

Petroleum Derivatives

A certain amount of weakness was noted in the price structure of the market last week, particularly in the full aromatics and some of the partial aromatics. While no actual price changes were made, some producers indicated that alterations were being considered and could come about in the near future. Various reasons were given for the anticipated changes. Some sources mentioned the seasonal cutback as a prime factor, and others cited increased competition on the domestic market plus a decrease in export material.

A stable picture was seen in the benzol market last week with a good outlook for the second quarter anticipated. Mineral spirits producers indicated a satisfactory situation during the spring and summer months. Partial aromatics with the higher aromaticity were reported wavering in price by some producers. Sales were good, however, and inventories were more than adequate to meet demand. Toluol was available in good quantities with prices unchanged.

Increased domestic sales in the clothes cleaning industry has added impetus to production and marketing of cleaners' naphtha. Xylol was unaffected by price fluctuations, but competition was reported increasing steadily. Propane and butane sales were off due to warmer weather. A movement to stimulate off-season demand was noted by the announcement of a program featuring the ability of LPG's to meet demand for hot water in the modern home. Waxes were reported in good balance, as production continued limited and demand was strong.

Price Trends

Advanced
None

Reduced
None

Comparative Price Indexes
(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
104.32	104.32	104.63	105.20

(For Current Prices see Page 9)

Solvents and Diluents

Benzol — Market conditions remained stable during the past week. Producers cited the active demand of consuming industries as a good sign that second quarter benzol usage would rise. Styrene production was considered a big factor, and if second quarter output increased over that of the first, it was expected to strengthen the benzol picture considerably. Steel production constituted another factor expected to affect the trend, since the high production rate seems likely to continue, sources indicated. Quotations were unchanged.

Cleaners' Naphtha—Demand from domestic consumers accounted for a good part of production over the past week. The sales picture is expected to improve with the advent of warmer spring and summer weather. Industry sources said that a large sales increase could be handled with little difficulty, and it would put no strain on producers' capacities. Prices were steady at previous levels.

Mineral Spirits—A very satisfactory picture was noted by producers for both regular and odorless types of material. The market for these materials was said to be well balanced from the supply and demand aspect. Industry sources felt that a good amount of potential business existed in addition to those consumers currently active in the market. One producer pointed out that despite present emphasis on other aromatics, mineral spirits held its position as a basic material. Prices were unchanged over the past week and appeared unlikely to move in the weeks immediately ahead.

Partial Aromatics—From the price viewpoint, the market for partial aromatics and some full aromatics was held to be in some difficulty last week. Partial material of higher aromaticity was reported wavering in price by some producers. However, most felt that even with prices on the weak side, if sales held up over the coming months, they could present a good overall picture for 1955. Some cutback in demand was anticipated as spring and summer progressed, according to sources. From the volume point of view, this market appeared in good shape to most of the industry during the past week.

Toluol—Material was pretty well available and the market quite competitive as the second quarter began. The reported price disturbances in some aromatics did not affect the toluol situation, suppliers indicated. Industrial consumers were in the position of having a choice as to their source of supply, and the grade desired. Export demand was reported to be quite low, a situation influenced somewhat by increased steel operations in West Germany. Quotations were the same as previous listings.

Xylol—Price fluctuations noted in other aromatics last week were negligible on the xylol market. One source pointed out that additional suppliers were operating in the east, and that competition was increasing steadily. The source also said that rising competition may be the chief reason for the price movements among full aromatics. Conditions at the source of supply and activity on the import market were also cited as influencing quotations. Demand from consumers over the past week was reported well cared for from production.

Lighter Fractions

LPG's—Propane and butane continued to move slowly, suppliers stated. Dealers were filling orders without difficulty and were moving excess material to already well stocked underground storage facilities. The market was not expected to regain normal strength until next fall. To stimulate sales during the spring and summer months a trade group is preparing a promotion program featuring the ability of LPG's to meet increased demand for hot water in the modern home. Posted prices remained unchanged.

The daily average production of natural gas liquids in January was 31,300,000 gallons, 500,000 gallons per day more than in December and 2,400,000 more than a year ago. Stocks of liquefied gases declined 47,000,000 gallons during the month to 279,000,000. Of this total 158,000,000 gallons were stored underground, reported the Bureau of Mines.

Waxes

Microcrystalline — Production was reported just about in balance with demand last week, depicting the status of the market over the past few months. A slowdown of minor consequence was expected during the coming vacation periods, but manufacturers stated this would not threaten quotas in any way. Prices were firm.

Paraffin — Supplies remained tight, as production continued limited and demand was very strong. Export demand was reported to be quite active, and a ready domestic market was available.

Miscellaneous

Crude Oil—The daily average production of crude oil and lease condensate for the week ended March 18 was 6,858,400 barrels, reported the American Petroleum Institute. The four weeks average for the week ended March 18 was 1,360,000 barrels per day.

Octane—The market situation for this material was comparatively unchanged. Higher and higher ratios were being sought throughout the industry, producers stated. With predictions of the greatest motor travel year on record for 1955, suppliers are of the opinion that sales will reach record proportions. Current quotations for octane listed a price of 19c. per gallon in tankcars at New Jersey.

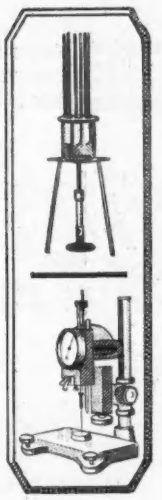
Petrolatum—Conditions were reported unchanged over most of the market. Sales were moving at a good pace, with inventories ample to meet demand for some time to come, industry sources noted. A minor slump in buying is expected during summer cutback months. Previous listings were unchanged and there was little likelihood of any alterations in the coming months.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended March 19 totaled 261,719,000 barrels, according to data reported to the Bureau of Mines. Compared with the total of 260,544,000 barrels for the preceding week, this represents an increase of 467,000 barrels in stocks of domestic crude and of 708,000 barrels in stocks of foreign crude.

For Late Market Developments, See Page 4

A HISTORICAL FIRST



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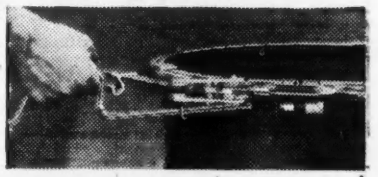

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Industrial Organic Chemicals

A fractional advance for eastern tankcar prices of formaldehyde took place April 1, as scheduled. Prices were otherwise relatively steady in this market last week. Demand levels were considered fairly good in general. Many trade sources were reasonably optimistic about second quarter business.

Acetone sales volume held up. There were elements of strength and weakness in the market. Thus far, they have balanced each other. Alcohol was on reasonably firm ground. Demand was good and it was diversified. Solvent demand was good for acetone and ethanol and was well sustained for butanol and MEK. Methyl isobutyl carbinol also moved at a steady pace.

Carbon tetrachloride was doing well in the field of aerosol propellants and air conditioning outlets. Carbon disulfide was slightly improved from some rayon outlets, but still not up to former levels.

Formaldehyde continued to move well to resins. This sustained the volume of methanol moving for formaldehyde producers. Refined glycerine was still in tight supply. But, a strike that had been threatening to pinch the market further, was over. Some imported crude glycerine has come in to help a bit.

Acetone—Producers indicated that the 7c. tankcar price was still the market level for this solvent. There has been consumer pressure for lower quotations, it was said. But, sales were going right along at 7c. per pound.

Buyers used the total volume of production available as a wedge to force prices down. On the other hand, producers used the sustained volume of sales as a fort against further price cuts.

There were several ½c. price reductions over the past year that resulted in the current 7c. quotation. So far, there is no sign of a break in the structure. It was felt that producers were becoming more and more conscious of production costs as the price dropped. Consequently, their resistance was getting more determined.

Alcohol—This market was in a firm position. Producers indicated that demand for ethanol was good from many directions. The price was holding up and there was no indication that it couldn't continue at its present level next quarter, it was said. There was ample production to take care of all consumption requirements.

Figures on production, withdrawals, and stocks released by the Alcohol and Tobacco Tax Division of the Internal Revenue Service, pertaining to ethyl, completely denatured, and specially denatured alcohol during January 1955, compared with January 1954, were as follows:—

Production

	Gallons 1955	Gallons 1954
†Ethyl	35,304,417	27,112,330
*Completely denatured	45,422	63,533
*Specially denatured	18,816,115	15,149,050
Withdrawals		
†Ethyl, tax paid	702,576	981,982
tax free	35,367,283	28,439,693
*Completely denatured	51,195	51,120
*Specially denatured	19,294,938	16,158,441
Stocks		
†Ethyl	52,110,831	51,414,677
*Completely denatured	7,449	24,049
*Specially denatured	4,926,916	5,397,182

*Wine gallons. †Proof gallons.

According to the Alcohol and Tobacco Tax Division, materials used in industrial alcohol plants in January 1955, and January 1954, were as follows:—

	Pounds 1955	Pounds 1954
Corn and corn products	2,040,630	3,244,916
Rye and rye products	.....	.....
Malt and malt products	273,590	443,069
Wheat and wheat products	.....	5,412,840
Sorghum grain and sorghum grain products	2,878,473	.....
Other grain	.....	.....
Total grain	5,192,693	9,100,825
Ethylene gas	11,497,127	9,907,608
Other materials	10	46,210
	Wine gallons 1955	**Wine gallons 1954**
Molasses	3,746,813	1,450,978
Ethyl sulfate	19,226,413	16,679,081
Sulfite liquors	22,844,200	23,868,300
Other materials	2,348,054	2,006,311
†Products used in redistillation	1,623,035	4,634,341

†Proof gallons.

This market reports on industrial aliphatic organic chemicals. Reports on industrial aromatic organics may be found in the Coal Chemicals market, while reports on fine and rare organic chemicals appear in the Drugs, Fine Chemicals, Botanicals market.

Price Trends

Advanced

Formaldehyde, 37%, inhibited, Zone 1, tanks, 0.45c. per lb.
Methanol-free, Zone 1, tanks, ½c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month
130.45	130.44	130.47

(For Current Prices see Page 9)

2-Amino-2-Methyl-1-Propanol—Demand was still quite good. There was not enough production to take care of all consumer requirements. This situation has existed for quite a while and was not expected to be alleviated until more production of nitroparaffins comes into the market later in the summer. Price levels were firm and unchanged.

Butyl Alcohol—There were no significant changes in this market. Producers indicated that they were moving their output right out without difficulty. The call seemed to be fairly good from synthetic resin, plasticizers and lacquer materials. It was said that there have been some new plasticizer uses that gave butanol a little boost.

Some of the business in this market was for the alcohol and part of it was for the acetic ester. Thus, many sources were able to balance out their production and sales of butyl alcohol and butyl acetate by moving material in both directions. Price schedules were firm at former listings.

Carbon Disulfide—The market was not changed much from past weeks. Total sales were not what they were a few years ago, it was said. However, there had been a little pickup for staple rayon. Filament yarns still had a long way to go before they regained the lost ground in the market.

Current prices were at 5.15c. per pound in tankcars. Some revisions that went into effect April 1 resulted in quotations of 7c. per pound in carlots of 55-gallon drums. Less than 10 drum lots were at 9c. per pound. These changes had been announced earlier.

Carbon Tetrachloride—A spread in price quotations was created last week as a ½c. price increase took effect April 1. The rise had been announced earlier, but some sources have delayed the move until later in the month.

The range for technical material was from 8½c. to 9c. per pound in tankcars in the east and 9c. to 9½c. per pound in tankcars in the west. Carlots, east, ranged from 10c. to 10½c. per pound.

Producers indicated that sales were at a fairly good level. It was said that there was more material being made and sold today than there was a year ago. Aerosol propellants were going very strong, trade sources said. Demand from the air conditioning industry also has improved.

Formaldehyde—The fractional advances for tankcar schedules took place on April 1, as producer announcements indicated a few weeks ago. The new tankcar price in zone 1 is 3¾c. per pound for inhibited material. Uninhibited material in zone 1 became 3½c. per pound in tankcars.

Producers reported that demand was well sustained. Activity for synthetic resins has been very good and resulting buying interest for formaldehyde was in line with that activity. Production was moving along to fill orders just about as fast as it was turned out.

Glycerine—The settlement of a labor dispute at a major producer's plant eliminated a threat to the market before any serious reaction had built up. Refined material was still in tight supply. But, the pressure eased slightly with the end of the strike. Even though stocks were not abundant, they looked like they would do all right, trade sources felt.

A substantial shipment of crudes from the Argentine was received last week. It was said that it would help to ease up some of the shortage. The bids at the Argentine that were recently postponed were still delayed under an indefinite status, it was said. Prices of crude grades were steady at previous listings. Refined glycerine quotations were unchanged too.

Hexylene Glycol—No changes were reported in the market for this glycol. Demand was relatively even from month-to-month, it was said. The bulk of the sales have been in the brake fluid line and for cutting oil uses.

Although hexylene glycol has a specific market of its own, overall activity is in line with the general trend of industrial demand for glycols. Glycols were felt

For Late Market Developments, See Page 4

US Potash Appointee

Dr. Edwin C. Kapusta has been appointed technical service director of United States Potash Company, New York, effective July 1. Dr. Kapusta is presently with the National Fertilizer Association and before that was with American Cyanamid Company.

Moore Retires as Purchases Director of Armour Fertilizer

Harry C. Moore has retired as director of purchases (fertilizer materials) of Armour Fertilizer Works, Atlanta, Ga., after forty-seven years of service.

Mr. Moore started in 1907 as assistant chemist in the Atlanta division laboratory of Armour Fertilizer Works and became chemist in charge of this labortory the following year. In 1920 he became chief chemist of Armour Fertilizer Works and director of chemical control. In 1926-27 Mr. Moore was the first to begin the commercial ammoniation of superphosphate and fertilizers using ammoniacal liquor. In 1938 Mr. Moore became director of purchases (fertilizer materials) and later vice-president. He also was made assistant vice-president of Armour & Co., Chicago.

Washine-National-Sands Moves Offices to Plant in Lodi, N. J.

The offices of Washine-National-Sands, Inc., formerly located at 37-02 Northern Boulevard, Long Island City, N. Y., have been transferred to the plant in Lodi, N. J. The New York telephone number has been retained, plus a new New Jersey number which is GRegory 1-4500.

to be steady and relatively firm. Their price schedules were unchanged and no revisions were immediately anticipated.

Methanol—Producers indicated that activity in this market was holding up very well. Industrial demand has been a prominent feature of current sales. The pace sustained by synthetic resins was good for formaldehyde; and consequently, a sustaining factor for methanol. There were only the beginnings of a little interest in methanol for large antifreeze canning outlets.

Prices were firm at the new level and producers indicated that orders were being received for April business on that basis. Sales were expected to hold up quite well.

Methylamines — Producers indicated that business for these amines has been very good. Excellent demand was reported last month for the three isomers, mono-, di- and tri-. The price pattern was firm and steady. No revisions in current quotations were expected. Supplies were adequate for present consumption levels.

Methyl Ethyl Ketone—Demand continued good from nitrocellulose lacquers, it was said. The automobile industry provided a continued excellent market for solvents. It was generally recognized that demand for MEK and other materials going for these lacquer outlets in the automobile industry would hold up to the present pace as long as production remains high.

There was ample MEK available to take care of buyer's wants. Prices were considered firm at currently posted levels.

Methyl Isobutyl Carbinol—Producers indicated that this market was enjoying a fairly steady sales. Demand normally does not show extreme fluctuation for MIBC, it was added. The sales volume also is not as large as some other solvents. However, there has been no sign of a drop in buying interest. Prices were unchanged.

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Color	Water white and clear

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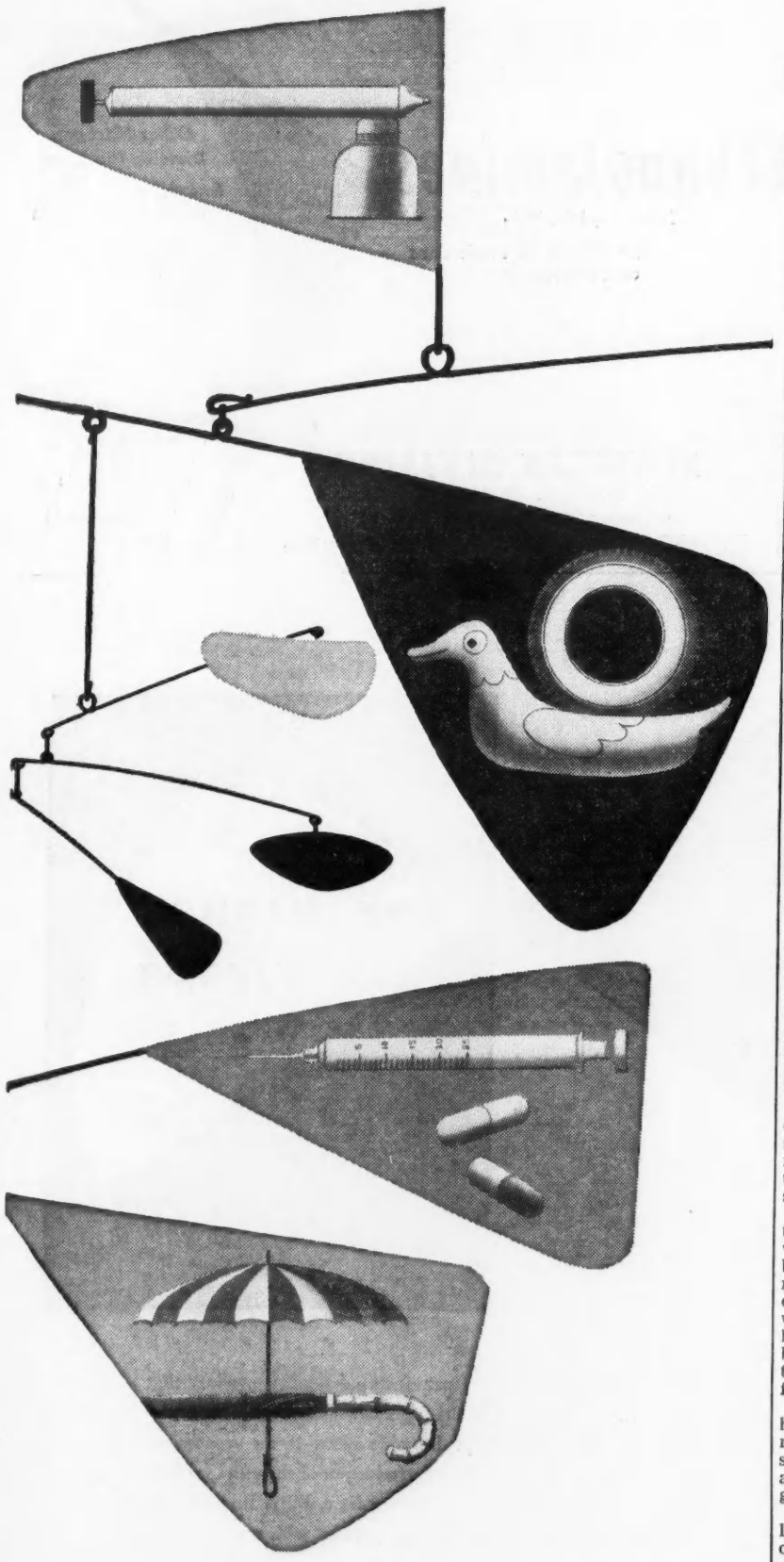

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Coal Chemicals

Imported crude naphthalene increased a fraction of a cent last week. Prices advances for b-naphthol, R salt and Tobias acid took effect April 1, as previous announcements had indicated. A number of coaltar dye price increases became effective that day.

Demand for tar acids remained good. Cresols and cresylic acid moved very well for resins and tricresyl phosphate. Aromatics held their position. There were good and bad features to the benzol picture. But, most sources felt that the weight was on the good side now. Toluol held to a status quo.

Phthalic anhydride was still very tight. Consumer pressure was not as obvious as it was when the market began to firm up. Producers were short of crude naphthalene keeping up with the phthalic call.

Steel operations last week were scheduled for 93.6 percent of capacity, or an index of 140.6, according to the American Iron and Steel Institute. This was equal to 2,258,000 tons, against 2,218,000 tons one month ago and 1,648,000 tons one year ago.

Basic Products

Benzol—Demand remained unchanged during the past week. Some consuming outlets were showing good signs and some were relatively static. Insecticide calls were better for a number of benzol producers and not up to expected levels for others.

Synthetic rubber production, a larger market for benzol, is presently at a very high level. Benzol also saw good activity for polystyrene plastics. Demand for the aromatic from synthetic phenol has not been outstanding, but it has shown a little improvement. Phenolic resins and adhesives were showing a slight indication of more firmness.

Price schedules for benzol were steady at previous listings. More production has resulted from increasing production schedules in the steel industry. However, there was no sign of a weakened market due to oversupply. The expansions in demand that accompanied higher business levels seemed to be able to keep the market balanced. Most sources looked for a firm position through this quarter.

Creosote—This market was still generally slow. However, trade sources have seen a little additional spark to demand in recent weeks. All suppliers would like to see more business, it was said. Creosote prices were unchanged.

Some sources noted the financial picture for the "roads" is better, but felt it would have to go on for a while longer before it will be reflected in creosote demand. Just how much the railroads increase maintenance work when the weather warms up will largely determine how much pickup in demand there will be in this market. Maintenance expenditures by the railroads are influenced by freight earnings, it was felt.

Cresols—Sales of tar acids continued to hold up very well. Demand from cresylic resins and tricresyl phosphate was quite strong. The total call from these outlets and other consuming channels has been greater than available supplies.

Price schedules held firmly to previous levels. No increases were noted at the opening of the second quarter and none were immediately expected. The market was too strong for a price reduction at this time. Hence, a steady price pattern was felt likely.

Cresylic Acid — Demand was well sustained at a high level. Producers related that buying interest from resins, tricresyl phosphate, engine cleaners, wire enamels, flotation uses and disinfectants represented a wide range of uses that kept cresylic acid active.

Domestic producers found it difficult in recent months to keep up with consumption needs of several fractions of acid. The meta-para isomers were more in demand than o-cresol. But, there was fairly good movement of ortho as a result of overall tar acid activity. Prices were firm without change.

Importers indicate that sales of ADF material have been good too. The overflow of demand from the domestic market added to the regular market ADF cresylic maintains even in slower periods. Requests for m-p-cresols are received by importers frequently. But, supplies of these grades are inadequate in ADF acid too.

Naphthalene—Imported crude 78-degree material was increased ¼c. last week. The new range was 6¾c. to 7c. per pound. Suppliers said there was resistance by consumers to the 7c. level and reluctance on the part of importers to sell below 7c.

There was also little imported naphthalene being offered. Most European sources were said to be in a sold-up position through the second quarter. Third quarter sales for July shipment were starting to be considered. Domestic supplies were still snug.

Phenol—The market hasn't changed significantly. A slight amount of improvement in demand from phenolic resins and adhesives was reported by producers. The general tone was felt to be firmer. There was still ample production to take care of all anticipated needs. Prices held to previously quoted levels.

Pitch—Producers related that there was a good demand for coaltar pitches. Industrial users continued to require a substantial volume. Demand from the aluminum industry was particularly good. It was reported that activity for the roofing season was starting. In the past few years, the building boom has tightened up the roofing pitch market. Current prices were firm without change.

Toluol — Despite some softening tones that have come as a result of increased production, the general market position for toluol was unchanged. Demand has been adequate to hold the market steady. The price structure also kept its balance.

Military requirements were not as high as they were two years ago. And, civilian consumption is not sufficient to take all of the production that is available. Consequently, there are some surpluses. Nevertheless, there has been enough strength in the market to prevent significant detrimental effects by excess stocks. Some sources indicated that they were in relatively good shape on toluol and other aromatics too. No real change in the toluol market situation was expected in the next few months.

Xylol—There was ample material readily available to take care of consumer

Coal Chemicals

Estimated output of coal chemicals recovered from cokeoven operations during the week ending April 3, was as follows:—

Ammonia liquid, NH_3	lbs.	1,056,054
Ammonium sulfate	lbs.	38,169,794
Benzol	gals.	3,650,928
Coaltar	gals.	16,745,993
Creosote oil	gals.	935,362
Naphthalene, crude	lbs.	2,579,788
Pyridine, refined	lbs.	27,156
Toluol	gals.	718,116
Xylol	gals.	191,598

Price Trends

Advanced

Dyes, coaltar, No.:—
C.I. 20 Chrysoidine Y dustless, 7c. per lb.
C.I. 27 Fast light orange 2G, 9c. per lb.
C.I. 31 Phloxine 2G, 7c. per lb.
C.I. 36 Yellow 2G, 8c. per lb.
C.I. 40 Orange R ex. conc., 11c. per lb.
C.I. 57 Fuchsine 6B, 11c. per lb.
C.I. 79 Scarlet 2R, 8c. per lb.
C.I. 151 Orange AD, 6c. per lb.
C.I. Orange RR, 7c. per lb.
C.I. 161 Orange RR, 7c. per lb.
C.I. 176 Fast red A, 8c. per lb.
C.I. 180 Blue F4B, 9c. per lb.
C.I. 185 Brilliant scarlet 3RN conc., 9c. per lb.
C.I. 203 Chrome black T, 8c. per lb.
C.I. 208 Fast blue SR, 9c. per lb.
C.I. 246 Blue black, ex. conc., 10c. per lb.
C.I. 289 Navy blue 3R conc., 12c. per lb.
C.I. 299 Black F conc., 15c. per lb.
C.I. 304 Neutral black 2B conc., 20c. per lb.
C.I. 326 Fast scarlet 4BNC, 16c. per lb.
C.I. 332 Bismark brown, 10c. per lb.
C.I. 365 Brilliant yellow conc., 26c. per lb.
C.I. 382 Scarlet B, 18c. per lb.
C.I. 401 Diazo black BHD, 3c. per lb.
C.I. 406 Blue SB extra conc., 11c. per lb.
C.I. 420 Brown M, 10c. per lb.
C.I. 561 Brown B, 20c. per lb.
C.I. 581 Direct black EB, 9c. per lb.
C.I. 593 Green BY conc., 7c. per lb.
C.I. 596 Yellow brown K ex., 7c. per lb.
C.I. 640 Yellow XX, 16c. per lb.
C.I. 855 Nigrosine WSJ, 4c. per lb.
C.I. 1106 Blue RS double paste, 30c. per lb.
C.I. 1113 Blue BLFD double paste, 23c. per lb.
p-14 Brown EB, 15c. per lb.
p-202 Diazo black VJ conc., 17c. per lb.

Naphthalene, crude, imp., ¼c. per lb.
b-Naphthol, 2c. per lb.
R Salt, 5c. per lb.
Tobias acid, 3c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
114.68	114.66	114.63	114.56

(For Current Prices see Page 9)

For Late Market Developments, See Page 4

needs. More production of light oils was resulting from higher steel operations. Demand has been sustained fairly well. Prices were firm at previously established listings. No significant changes in prices, demand or supply were expected in the market.

Dyes

A number of coaltar dye changes took effect April 1. Previous announcements of these advances were made in the weeks preceding. The price box of this market indicates what dyes were increased and how much they went up. The new quotations are listed in the prices current section under "Dyes."

Intermediates

Benzyl Chloride—The markets for this chloride, benzal and benzoyl chlorides were steady. Demand was not showing much sign of a pickup yet. But, the summer season for sodium benzoate was expected to start soon. The sodium salt is used in the soft beverage industry. Prices were firm without change.

b-Naphthol—Prices advanced 2c. April 1, as previously announced. The new contract carlot price is 34½c. per pound. Suppliers noted a little extra buying before the price advance. Demand was very good from the rubber industry and for dyestuff intermediate outlets.

Phthalic Anhydride—The market for this intermediate was still in tight supply. A strong demand developed as automobile production increased. Alkyd resins and plasticizers were both moving very well. As long as automobile output is maintained, producers expected demand to hold up very well for phthalic. The price was steady and firm.

R Salt—Prices advanced 5c. April 1 following earlier announcements. New prices are at 88c. for the paste and 98c. per pound for the powder.

Tobias Acid—April 1 contract increases brought the price of this dyestuff intermediate up to 77c. per pound, a rise of 3c. The price advance had been announced several weeks ago.

2-Vinyl Pyridine—Demand has been maintained at a very good pace. Suppliers were moving production right out to the rubber industry where it is used in bonding tire cords. The high activity in the rubber industry was providing a steady market. Vinyl pyridine was also showing a normal growth in total market needs. Prices were firm and unchanged from previous listings.

Copra Brought Into US Reaches Three-Year Peak

Copra imports into the United States during 1954 increased to 336,329 short tons, the largest volume since 1951, according to the Foreign Agricultural Service. This tonnage also was 46 percent greater than average imports during the prewar (1936-39) period.

Coconut oil imports at 70,007 tons, though slightly larger than in 1953, represented only 40 percent of prewar imports. In terms of copra equivalent, imports totaled 447,450 tons, about four percent more than in 1953. All of the coconut oil and virtually all of the copra came from the Philippines.

Coconut oil exports from the United States declined somewhat in 1954. Crude oil exports amounted to 4,745 tons or 15 percent less than in 1953; refined oil exports came to only 878 tons—down 5 percent from 1953.

Almost two-thirds of the crude oil was sent to Cuba the remainder going almost entirely to South and Central American countries. While sales to Cuba were up from 1953 by 10 percent, those to Colombia dropped by one-half. Furthermore, shipments to Canada, normally an important market, declined to only 30 tons. About 60 percent of the refined oil went to other North American countries—Canada, Cuba and Guatemala, largely—and most of the remainder to South American destinations.

Philippine copra exports during February totaled 66,179 long tons, an increase of 11 percent from the previous month and 32 percent from February, 1954. Total shipments during January-February, 1955, amounted to 125,962 tons or one-fourth more than the 100,371 tons exported in the comparable period of 1954.

The breakdown of the February copra exports by country of destination is as follows:—United States—23,936 tons (Atlantic—793, Gulf—4,277, Pacific—18,866); Denmark—3,000; Germany — 500; the Netherlands — 21,800; Sweden — 1,000; Europe, unspecified—7,500; Lebanon—200; Israel—1,500; Colombia—5,543, and Venezuela—1,200 tons.

February exports of coconut oil amounted to 5,421 tons compared with 5,449 tons in January and 4,978 tons in February, 1954. The January-February aggregate was 10,870 tons against 8,441 tons in 1954. The entire quantity of oil shipped in February went to the United States (Atlantic).

Advance Solvents Names Two to Management Posts

Advance Solvents & Chemical Corporation, New York, has appointed Dr. Emery Parker director of research of its plastics division and John F. Herrmann manager of its plastics field service. Dr. Parker has been with Advance Solvents since 1944. He has been closely associated with the company's work in the field of polymeric organo-metallic stabilizers for the vinyl plastic field. Mr. Herrmann was formerly with Sunlite Plastics, Dow Chemical Company, and Goodyear Tire & Rubber Company.

Koppers Opens Sales Office

Robert R. Bench has been named sales representative for a new sales office opened in Houston, Tex., by the chemical division of Koppers Company, Pittsburgh, Pa. Located at 4101 San Jacinto, the Houston office will be under the supervision of the headquarters office for southern district sales in Atlanta, Ga. Mr. Bench, who was formerly a sales planning engineer, will be responsible for plastics, chemicals, and adhesives sales in the Arkansas-Oklahoma-Texas-Louisiana area.

Reilly Tar Names Sandland

Reilly Tar & Chemical Corporation, Indianapolis, Ind., has appointed William C. Sandland sales representative for the Houston, Tex., area. Mr. Sandland was formerly associated with the Specialty Sand Company of Houston as a sales engineer. In his post with Reilly Tar he will headquarter in Houston's Green Building, 2009 Fannin street.

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Castor Oil Imports Down Sharply in 1954, FAS Says

Imports of castor oil into the United States declined sharply in 1954 but castor bean imports were only slightly less than in 1953, according to the Foreign Agricultural Service. Perhaps one of the principal reasons for the decline, it was stated, is that the current national strategic stockpile objective for castor oil has been met as a result of the production and procurement program for castor beans, in effect during each of the past four years.

Oil imports at 28,191 short tons were the smallest since 1950. Takings from Brazil, the major source, dropped to 13,668 tons, roughly one-half the tonnage purchased in 1953, while imports from India of 9,244 tons were less than one-half those of the previous year.

There has been a virtually steady decline in castor bean imports from the record high of 197,225 tons in 1941 to 54,602 tons in 1954. The bulk of the 1954 beans, 42,009 tons, came from Brazil. Most of the remainder came from Ecuador (9,611 tons) and Haiti (2,614 tons). India has prohibited the export of beans during the past two years.

Imports of beans and oil in terms of bean equivalent totaled about 117,250 tons, or 40 percent less than the record total of about 198,500 tons, bean basis, imported in 1953.

Cyanamid Lists Appointments To Organic Chemicals Posts

The organic chemicals division of American Cyanamid Company, New York, has named M. N. Gaboury manager of manufacturing and has announced five other recent appointments. F. B. Manker has been named manager of the company's plant in Bound Brook, N. J. Newly appointed as assistant manager of the management services department is R. N. Paulson.

Alexander L. Logan has been made a group leader of sales applications in the textile resins department. William N. Nakajima has been picked as group leader of development and George Switlyk has become group leader of the testing section.

Coblentz Society Formed As Spectroscopy Group

A new society has been formed to further all phases of infrared spectroscopy. Named the Coblentz Society in honor of William W. Coblentz, retired chief of the radiometry section of the National Bureau of Standards and pioneer in infrared spectroscopy, the society's object is to foster the understanding and application of infrared spectra. It will also provide a communication center and voice for the industrial chemists, scientists, research workers and teachers who use infrared spectroscopy. Dr. Norman Wright of the Dow Chemical Company, Midland, Mich., has been appointed chairman of the new organization.

Electrochemical Group Plans Two Symposia for Meeting

The electrothermics and metallurgy division of the Electrochemical Society has announced plans for two symposia during its meeting in Cincinnati, Ohio, from May 1 through 5. "Materials Handling and Preparation for the Electric Arc Furnace," will be presented May 2 under the chairmanship of H. S. Newhall. The second symposium is entitled "Electrochemical Technics in Metallurgical Research," and has been organized by Dr. J. H. Westbrook.

Copper Project in Rhodesia

Bancroft, the newest mine in the copperbelt of Rhodesia and Nyasaland, is scheduled to begin production in 1957 with a planned output of 42,800 long tons, according to the Canadian Department of Trade and Commerce. However, the agency pointed out, the capacity of the mine has already been stepped up with the intention of producing 85,600 tons of copper annually by 1960. This doubling of capacity has involved increasing the initial capital cost of £12,000,000 by a further £5,000,000.

Glass Container Shipments: Jan.

Total shipments of narrow-neck glass containers in gross during January, 1955, were 5,405,000, compared with 5,320,000 in December, 1954, according to the Bureau of the Census. In this category, the amount used for medicinal and health supplies was 1,291,000 in January, compared with 1,112,000 in December and toiletries, 671,000 in January, compared with 583,000 in December.

Total shipments of wide-mouth glass containers in gross during January were 4,053,000, compared with 3,504,000 in December. In this category, the amount used for medicinal and health supplies was 430,000 in January, compared with 393,000 in December; and toiletries and cosmetics, 228,000 in January, compared with 194,000 in December.

Pitman-Moore Names Officers

Hibbard O. Ball, executive vice-president of Pitman-Moore Company, Indianapolis, Ind., has been elected secretary of the firm's parent company, Allied Laboratories, Inc., and J. T. Cahill, has been named treasurer. Mr. Ball joined Pitman-Moore as a sales representative in 1927. Mr. Cahill was employed by Allied Laboratories in 1939.

Matheson Coleman & Bell Appoints

Matheson Coleman & Bell, East Rutherford, N. J., has appointed Krackeler & Campbell, Albany, N. Y., as a distributor in the Albany area. Krackeler & Campbell is carrying a stock of the MC&B reagents.

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Agricultural Chemicals

Optimism and pessimism were about equally mingled last week, as trade sources, while selling material in good quantities, complained that they were not selling as much as had been expected. The nitrogens appeared to be moving at a good clip, as did potash materials. Some items among the phosphates appeared to be on the easy side, however. Super was said to be in very plentiful supply, and the tieup at a sulfuric acid plant in the south caused by a railroad strike was said to have had negligible effect on the market so far.

While the recent unseasonal cold wave in the south was of concern to producers, it was generally felt in the industry that it would be some time before the effects of the cold snap would be known. The snow and low temperatures were reported to have wiped out the peach crop in seven southern states, and agricultural damage to orchards and truck gardens in the south was estimated at around $48,000,000.

The Department of Agriculture reported that seven percent of the national corn crop was destroyed by the European corn borer in 1954, more than double the destruction in 1953, estimated at three percent. Demand for pesticides was described as seasonally good, although some of the bellwethers such as DDT were reported to be in spotty request.

Price Trends

Advanced

None

Reduced

Blood, dried, Chicago, 50c. per unit-ton. Tankage, Chicago, 50c. per unit-ton.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
111.17	111.31	111.06	112.67

(For Current Prices see Page 9)

Animal and Plant Foods

Ammonia, Anhydrous—The market position varied as to supplier. Some reported that they were moving as much as they could make, while others showed some disappointment at the spotty nature of demand. It was generally thought, however, that heavy interest during the next few weeks would tighten the market considerably.

Ammonium Sulfate—Trade sources reported last week that as far as availability of spot material was concerned, the southeast appeared to have the most to offer. Quantities offered on spot were not large, however. The west coast appeared sold out on spot and contract, due in large part to the recent Korean tenders having absorbed a good bit of spot material.

Inland and east coast producers were reported sold up on contract. European production was expected to take care of the recent Greek bid for 40,000 tons of nitrogen, as ammonium sulfate output there was said to be at a good level. Prices held unchanged and steady.

Animal Protein Meals—Dried blood and tankage were sharply off in Chicago last week, due to three major factors:—1) Meat production continued heavy, 2) oilseed meals were weaker, and 3) consuming demand from the feed trade was dull and featureless at present prices. Sellers reported that replacement demand, usually well materialized at this time of year, had so far failed to develop.

The Fish and Wildlife Service reports that 8,[illegible]9 tons of fishmeal and scrap were produced in December, as compared with 7,737 tons produced in November. Total production of fishmeal in 1954 amounted to 228,278 tons, as compared with 225,038 tons in 1953. Production of fishmeal in January, 1955, amounted to 1,893 tons, or 52 percent below the 3,941 tons produced in January, 1954.

Imports of fish meal during December, 1954, amounted to 11,693 tons, compared with 11,419 tons which entered during the same month of 1953. Total 1954 imports of meal amounted to 145,777 tons compared with 131,473 tons during 1953.

Phosphate Rock—The market situation showed little change from previous report. Plentiful supplies were on hand to fill consumer needs. Prices held steady and unchanged.

Potassium Muriate—Consuming demand held up well for this and other potash fertilizers. Producers were reported moving large quantities for spring use. The international potash situation appeared to be in good balance, with supply and demand about even. List prices held unchanged on the domestic market.

Superphosphate—There appeared to be plenty of material around last week, and producers did not expect supplies to be under much pressure, during the peak season. Business was described as slow, and spotty, with consumers content to order for immediate needs. Withdrawals against old contracts were in seasonal volume. Prices were unchanged and steady. The railroad strike which has tied up the sulfuric acid market in certain areas of the south has not seriously affected the super market. Producers felt that current inventories were large enough to take care of demand without too much pressure, and that if acid was needed in a pinch, it could be obtained by paying freight.

The following figures in short tons (2,000 pounds of 100 percent a.p.a.) indicate production, disposition, and stocks of superphosphate, as reported by the Bureau of Census.

	Production	Shipments	Stocks
Normal			
January	141,993	69,055	233,439
December	151,115	69,852	216,221
January '54	136,165	62,073	235,066
Enriched			
January	5,985	934	6,476
December	3,546	469	5,985
January '54	*	*	*
Concentrated			
January	57,471	61,351	101,529
December	49,665	38,438	101,557
January '54	46,993	48,603	48,547
Wet-Base Goods			
January	695	174	3,318
December	1,198	161	2,816
January '54	485	481	3,161
Total			
January	203,826	131,544	344,762
December	206,309	103,920	326,579
January '54	183,643	111,157	303,774

*Data for enriched superphosphate included with normal prior to July, 1954.

Urea—Active industrial, fertilizer and stockfeed demand kept this market tight, and producers found themselves pressed in keeping up with orders. Domestic material containing 46 percent N was listed unchanged at $120 per ton, bags, carlots and truckloads, delivered Kansas, Nebraska, North and South Dakota, Oklahoma, Texas, and east. Less carloads were priced at $140 per ton, same basis. Urea containing 45 percent N was quoted at $137 per ton, bags, carlots, delivered Zone 1, and $153 per ton, delivered zone 2. Zone 2 includes all states west of zone 1.

Urea-ammonia liquor moved to consumers in steady quantity at unchanged prices. Grades A and B were quoted at $128 per ton, f.o.b. works in tankcars; C grade was listed at $126.50 per ton, same basis, and 37 grade at $155.50, same basis.

Pesticides

Almost 192,000,000 bushels of grain worth more than $261,000,000, or 7 percent of the national crop, were destroyed by the European corn borer in 1954, according to an estimate given by the Department of Agriculture. This estimate was more than double 1953's estimated 3 percent loss. Last year's losses have been topped only once, in 1949, when corn destroyed by the borer was estimated at almost 314,000,000 bushels.

Iowa, Illinois, Nebraska and South Dakota suffered heaviest losses. Iowa lost 94,000,000 bushels, Illinois more than 38,000,000 bushels, Nebraska 22,000,000 bushels and South Dakota more than 17,000,000 bushels.

The citrus advisory committee of the Department of Agriculture has urged that plant quarantine work at the country's borders be greatly strengthened to prevent entrance of dangerous insects and diseases from abroad. Included also in the recommendations of the committee were expanded work on "spreading decline," a serious disease of citrus trees, and expansion of all phases of the research program on the Mexican fruit fly, a destructive pest now present in Mexico.

Consuming interest in pesticides remained spotty by and large, although producers felt that business in many areas had shown a fairly good seasonal pickup. The recent destructive spell of cold weather in the south was expected to delay considerably the pesticide season in a good many southern areas. The current railroad strike has also worked hardships in several districts, as shipments have been delayed.

Pyrethrins — Consuming interest for pyrenones was said to be seasonally good. Interest was expected to improve through April, then declining seasonally. Prices were stable, and there was enough material on hand so that consumers could get what they needed without delay.

For Late Market Developments, See Page 4

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Drugs, Fine Chemicals, Botanicals

Rising raw materials costs were in back of a 20 cent per pound price boost in NF tannic acid last week. The raw material in question was nutgalls, a commodity formerly brought in from China in large quantities. Government restrictions on trading with Red China have cut this source of supply with the result that prices on Middle East nutgalls have advanced correspondingly. The increase was the first price change in NF grade tannic acid since the latter part of 1950, it was noted.

Brazilian menthol continued to strengthen last week as a result of increased consumer interest and higher shipment prices from origin. Reports from Brazil were reportedly bullish as a result of some delay in the harvesting of the peppermint crop there. Menthol is made from this oil. On spot, manufacturers were beginning to buy for this coming winter's needs. Menthol is a major ingredient in cough preparations and various cold weather specialties. Edible gelatin was reported moving at seasonally active levels. Heavy swine production this year was expected to assure an adequate supply of this gelatin since it is produced from pig's skin.

In general, trading in the drugs market was heading into a seasonal decline. With the cold weather past, consumption of many drug items should drop off precipitously while others are expected to decline slightly. With no exceptions, supplies of drugs are adequate to meet manufacturers needs. The steroids were reported to be constantly rising, consumptionwise. It was understood that a good deal of research is being directed toward the use of the steroids in geriatrics.

The antibiotics are lagging due to seasonal influences. Most of the large purchases were currently on government contracts, it was said. Prices were steady with some tendency toward weakness. There was a possibility that the spot market might go lower later in the year due to competitive factors. Production capacity in antibiotics was generally conceded to be more than ample. Considerable interest is being focused on the use of streptomycin in agriculture in the treatment of plant diseases. This summer may see an appreciable rise in these applications according to informed trade sources.

Gelatin—Demand for gelatin was at seasonal levels. Supplies were ample for current inquiry and should continue since the hog slaughter was expected to run at high levels in the months to come.

According to the Bureau of Census, stocks at the end of January totaled 12,131,667 pounds compared to 11,763,645 pounds at the end of December and 10,170,765 pounds at the end of January. Classified by type, stocks at the end of January, 1955, included 6,591,368 pounds of edible grade, 1,161,476 pounds technical, 846,208 pounds pharmaceutical grade and 3,532,615 pounds photographic grade. Stocks at the end of January last year included 5,186,969 pounds edible grade, 909,423 pounds technical material, 841,449 pounds pharmaceutical gelatin and 3,232,924 pounds photo grade.

Menthol—The spot market appeared fairly strong in face of bullish reports from Brazil that the crop has been held up to some extent as a result of unfavorable weather conditions. Current quotations ranged from $8.85 to $9 per pound. Consumer demand on the spot market was said to have improved in some directions. Manufacturers were expected to begin anticipating their fall and winter needs in the near future. The outlook for the immediate future was for continued firmness in price.

Shipping prices quoted from Brazil were higher as a result of a bullish feeling in the market there. Weather conditions were said to have delayed the crop, a factor which was instrumental in boosting the market on the oil from which menthol is made.

Molasses—A slackening demand prevailed at New Orleans while feed molasses prices remained unchanged during week ending March 29, 1955. Increased shipments were in evidence at interior feed mixing points where an improved demand continued. East coast demand for blackstrap increased slightly with firm prices at all points. The New Orleans price for blackstrap was 10-11c. per gallon, while the price at Albany continued at 13c. per gallon. Hydrol and citrus molasses continues in short supply at all production points with demand generally strong.

As a result of acreage controls, beet production may be reduced to about 12,000,000 tons in 1955, according to the Crop Reporting Board of the U.S.D.A. This would result in a beet molasses crop of about 37,000,000 gallons which is 6,000,000 less than the 1954 production. This is assuming that the 1949-53 average yields per planted acre would be attained.

In exercising its option to purchase additional amounts of Cuban high-test molasses, the United Kingdom now has agreed to purchase a total of 55,000,000 gallons from the forthcoming Cuban crop. U. S. interests will purchase about 125,000,000 gallons but the exact amount exported by Cuba to both countries will depend upon the total amount of high-test produced. Only four mills are currently in production.

Streptomycin—The market was unchanged since last reported. Supplies are adequate to accommodate consumer needs and expected to continue. Prices were 9½c. to 10c. per gram and consumer demand was seasonally quiet.

Advances in the process development of streptomycin have progressed more rapidly than usual because of previous valuable experience gained with penicillin. The fermentation process for streptomycin is basically the same as that used for penicillin which accounts for the interchangeability of manufacturing equipment between the two drugs. Great strides in the treatment of tuberculosis have been made with streptomycin and it is now being used in conjunction with isoniazid and P-aminosalicylic acid in this disease.

Streptomycin also offers great promise in plant disease control. In this connection, it was considered too costly until recently when lower prices made additional uses possible.

Tannic Acid—Tannic acid, NF grade, was advanced effective April 1. Both the NF fluffy and powder were boosted 20c. per pound in the first price change since late in 1950. The increase was necessitated as a result of the rising cost of raw materials, in this instance, nutgalls. The manufacturer has been unable to buy nutgalls of Red China origin due to the government embargo on trading with the enemy. The result has been a rise in the asking prices from other countries, principally the Middle East, which produce nutgalls. According to the manufacturer, the increase in raw materials costs has been absorbed to date without resorting to a corresponding advance in the finished product, tannic acid. Hence in view of this situation, prices have been raised to compensate for higher costs in nutgalls.

The current price schedule on tannic acid, NF fluffy, was as follows: — 1,000 pounds and over, $1.80 per pound; 500 pounds and over, $1.81; 100 pounds and over, $1.82 and 25-75 pound lots, $1.85. The NF powder was quoted at $1.70 for 1,000 pounds or over; 500 pounds or more, $1.71; 200 pounds and over, $1.72 and 100 pounds and over, $1.74.

Thiamine—Demand for this vitamin was reported good, on the whole. Supplies were adequate to cover current consumer needs and expected to continue. According to government agency figures, production of thiamine during the first eleven months of 1954 totaled 239,414 pounds, an increase of 15 percent over the comparable period in 1953.

Total exports of thiamine derivatives during this same period amounted to 65,431 pounds, an advance of 78 percent over the like 1953 period. Canada received 36 percent of thiamine derivatives exported in 1953 and 24 percent in 1954 while exports to Brazil amounted to 19 percent last year.

Vitamin B_{12} — Demand for vitamin

For Late Market Developments, See Page 4

Price Trends

Advanced

Acid, tannic, NF, 20c. per lb.
Menthol, Brazilian, 20c. per lb.

Reduced

None

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
67.34	67.34	67.29	71.93

(*For Current Prices see page 9*)

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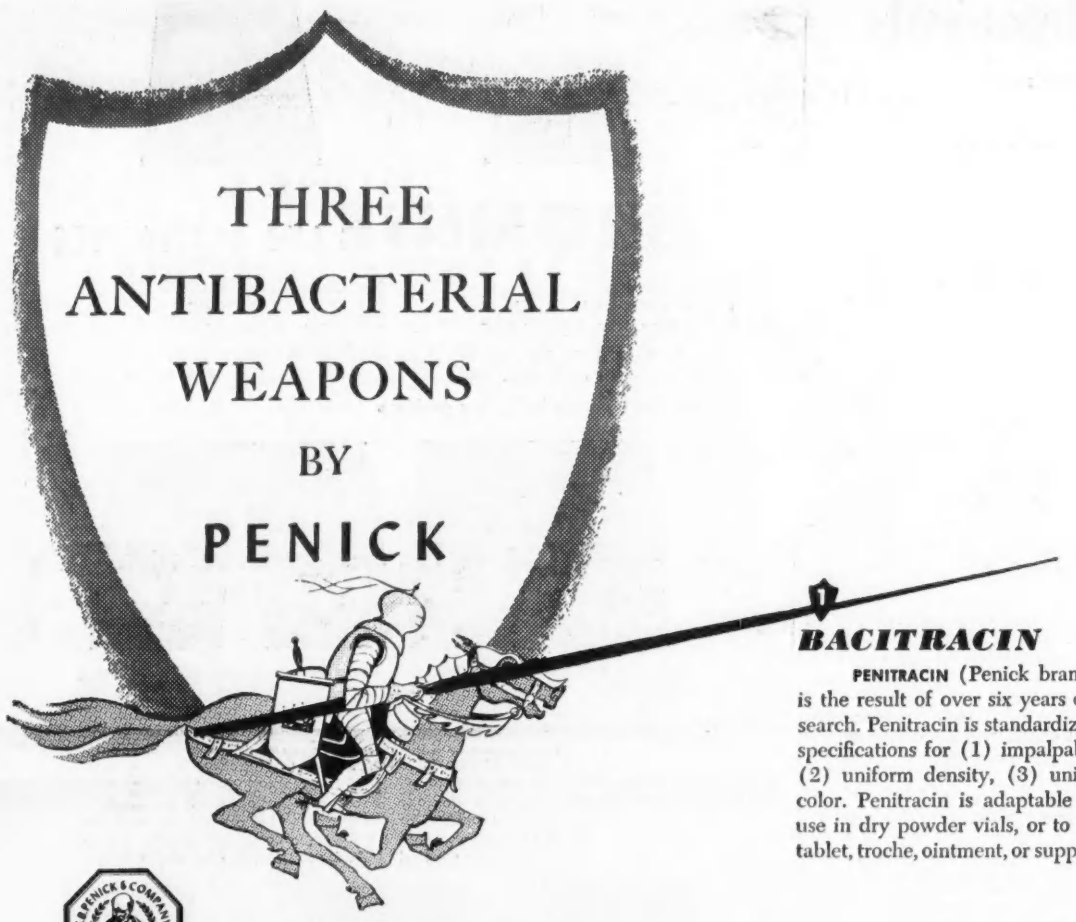

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B_{12} was reported at steady levels. Prices were firm and supplies ample to cover consumer requirements. The total value of vitamin B_{12} which was exported during the first eleven months of 1954 amounted to $6,600,000. Of this amount France received 32 percent and Belgium 15 percent. In the overall picture, exports of B_{12} approximated 27 percent of total U. S. sales in 1953, with France the principal recipient.

Botanicals

Ergot—There was no appreciable change in this item since last reported. Demand was running at steady levels while supplies appeared to be adequate to accommodate consumer needs. There was speculation in the trade over the possibility of some of the ergot alkaloids being made synthetically via a process announced last year. When and if this becomes commercially feasible, prices on the natural material will of necessity become more stable. During the past year ergot quotations have not varied much but if war were to break out on a large scale, the usual result would be for prices to spiral as they have in the past.

Kola Nuts—The first of the new Jamaican crop was reported to be due in the near future. Meanwhile spot supplies of African quality were said to be almost exhausted. There were some lots of old crop Jamaican material on hand, however, and the market was firm.

Papain—Consumer inquiry continued at steady levels last week. Prices have been fairly stable in recent months while the quality of incoming lots continues to vary considerably, thus accounting for the wide spread in prices currently in effect. Supplies were estimated to be adequate to cover present needs.

Saffron—The spot market continued very firm with stocks extremely tight. There have been some offers coming through from source at high prices. The outlook for the immediate future was for a continued strong market. Consumer demand has been dulled to some extent by the high prices asked but nevertheless has exceeded stocks on hand.

Soapbark—The tone was somewhat easier due to recent arrivals, most of which went directly to fill prior contract committments. On the whole, spot supplies were none too plentiful, however.

Vitamin Preservation Method Involves Wrapped Molecules

A new method of preserving vitamins and other food products by wrapping each molecule separately was described to the American Chemical Society's 127th national meeting in Cincinnati, Ohio, last week, by Dr. Hermann Schlenk of the University of Minnesota's Hormel Institute.

Vitamin A has been made "completely stable"—that is, resistant to deterioration for an indefinite time—by the technic, reported Dr. Schlenk. The new process consists of crystallizing the vitamin in combination with another edible material to form an "inclusion compound" in which the crystalline structure of the other material encloses each molecule of vitamin in much the same way as an egg carton holds eggs.

Eveleigh, LillyExecutiveV.-P., Retires After Forty-two Years

Carl F. Eveleigh retired last week as executive vice-president of Eli Lilly & Co., Indianapolis, Ind., after forty-two years with the company. Mr. Eveleigh became Lilly's first cost accounting clerk when he joined the firm in 1912. In 1929 he was named assistant secretary-treasurer. Eight years later he was made secretary, and in 1944 he became treasurer. He had held the post of executive vice-president and member of the board of directors since 1948. In addition, he had been chairman of the executive and budget committees.

Bids Wanted

Paint, 8,460 gals. gloss enamel, inv. 383-793-B, Apr. 20, 9,520 gals. semi-gloss interior enamel, 1,790 gals. phenolic, lusterless, outside enamel, East and West Coasts, inv. 383-736, Apr. 15, 4,200 gals. oil, deck, interior paint, East Coast, inv. 383-783, Apr. 15, 5,000 gals. dull black, exterior alkyd paint, Oakland, inv. 383-785, Apr. 18, 3,750 gals. varnish, shellac, cut, orange, type 2, grade A, East and West Coasts, inv. 383-788, Apr. 18,4,356 gals. varnish, oil, spar, phenolic, general purpose, various destinations, inv. 383-798, Apr. 18, 3,900 gals. interior, latex base paint, type I, East Coast, inv. 383-799, Apr. 18, Aviation Supply Office, Navy Dept., 700 Robbins Ave., Phila. 11, Pa.

Trisodium phosphate, 25,000 lbs., inv. NY-3J-61260, Apr. 5, Gen. Services Adm., Fed. Supply Service, Region 2, P.O.B. 39, Canal St. Sta., N. Y. 13, N. Y.; 231 dms., inv. SF-6739, Apr. 5, Gen. Services Adm., Business Service Center, Region 9, 49 4th St., San Francisco 3, Calif.

Blood Pressure Lowered By New Chemical Family

Reduction of high blood pressure with drug doses so small they cannot cause undesirable side effects is foreshadowed by a whole new family of chemical agents, the American Chemical Society was told at its 127th national meeting in Cincinnati, Ohio, last week.

In tests with laboratory animals, the new agents (unsymmetrical bis ammonium salts) were shown to lower blood pressure with no apparent side reactions such as headache, nausea and constipation, reported Dr. Allan P. Gray, senior chemist in the laboratories of Irwin, Neisler & Co., Decatur, Ill. He told the ACS division of medicinal chemistry that several of the synthetic chemical compounds are now being tested clinically.

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Penick, NYQ Realign Sales Areas in Midwest, Southwest

S. B. Penick & Co. and its affiliate, the New York Quinine & Chemical Works, Inc., both New York, have completed a revision of sales territories in the midwest and southwest.

Ralph B. Dysart, formerly a Penick representative in the Chicago area, now has his headquarters in Dallas, Tex., and serves both NYQ and Penick in Texas, Oklahoma, Arkansas, Louisiana and New Mexico. Mr. Dysart has been with the Penick organization since 1945 when he joined the company at its Asheville, N. C., collection depot.

Harold B. Nero now handles the south Chicago-northern Indiana-eastern Illinois area for Penick. Mr. Nero has been associated with Penick for the past two years and is well known in pharmaceutical and allied fields in the Chicago area.

Obituaries

Sandor Lederer

Sandor Lederer, president of Monroe, Lederer & Taussig, Inc., Philadelphia, died March 13 in that city. He was sixty-five years old.

Mr. Lederer was one of the founders of the forty year old company. He became president when the firm was incorporated.

Edward A. Robinson

Edward A. Robinson, soap and detergent specialist for Diamond Alkali Company, Cleveland, Ohio, died March 17 in Willoughby Hills, Ohio. He was fifty-one years old. He joined Diamond Alkali in 1935 after being associated with Lever Brothers Company, New York.

Francis J. Heffernan, manager since 1947 of the international purchasing department of Colgate-Palmolive Company, Jersey City, N. J., died March 29 in Montclair, N. J. He was fifty-seven years old.

James M. Howard, vice-president of Lithcote Corporation, Chicago, and formerly sales manager of the "Zapon" division of Atlas Powder Company, died March 30 in Darien, Conn. He was sixty-three years old.

Alfred B. Strickler, an executive with Esso Research & Engineering Company, Linden, N. J., died March 29 in Elizabeth, N. J. He was fifty-nine years old. Mr. Strickler began his career with Standard Oil Company (N. J.) in 1920.

Vitamin Corporation Elects

Vitamin Corporation of America, New York, has elected S. C. Prusky to succeed Morton Edell as president of the firm. Mr. Prusky joined the company as chairman of the executive committee in 1954. The drug company has transferred its headquarters from Newark, N. J. Mr. Edell has resigned to head Helaine Seager, Inc.

Research Group Meets April 7

The April meeting of the Chemical Market Research Group of Southern California will be held April 7 at 12:15 p.m. in the Rodger Young Auditorium, Los Angeles. Peter Clapp, vice-president of Western Filling Corporation, will be the speaker. His topic will be "Modern Aerosols."

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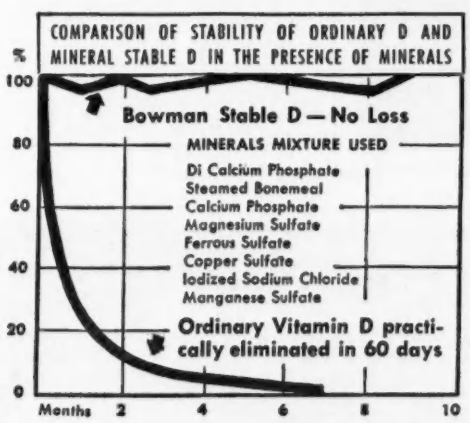

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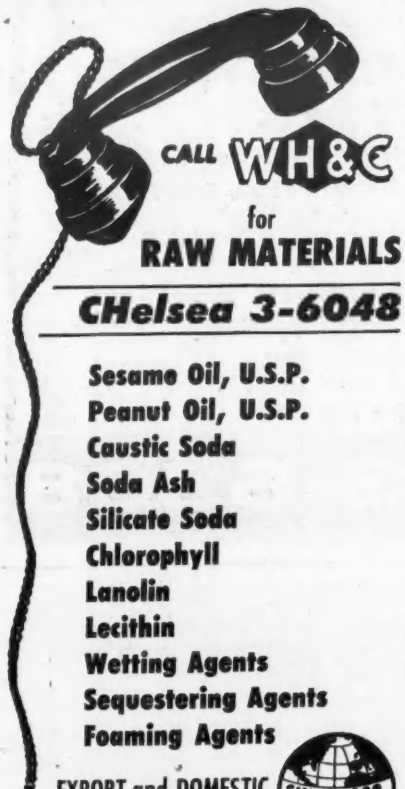

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DEXTRIN—100 bgs, United Paste & Glue Corp, Amsterdam
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132 cs, O G Innes Corp, Manila
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105,216 bbls, New England Petroleum Corp, Punta Cardon
107,405 bbls, American Oil Co, Aruba
229,366 bbls, Paragon Oil Co, Tampico
120,000 bbls, Metropolitan Petroleum Corp, Aruba
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126,169 bbls, Hess Inc, Punta Cardon
GALL, OX—10 bbls, Van Gelder Fanto Corp, Havana
GALLNUTS—83 bgs, Meer Corp, Khorramshahr
GELATIN—204 bgs, Transatlantic Animal By Products Corp, Rotterdam
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6 kgs, Ufinindo Inter Corp, Djibouti
GINGER—120 bgs, Kellys America Ltd, Lagos
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114 bgs, Wm H Muller, Lagos
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GLUE—331 bgs, Transatlantic Animal By Products Corp, Rotterdam
200 bgs, Jung Forwarding Co, Liverpool
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50 bgs, Chas L Huisking & Co, Liverpool
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LIVERMEAL—1,460 bgs, Wessel, Duval & Co, Montevideo
700 bgs, Wessel, Duval & Co, Auckland
991 bgs, Armour & Co, Buenos Aires
LIVER CONCENTRATE—17 dms, Wilson & Co, Buenos Aires
POWDER—200 cs, Tec Chemical Corp, Montevideo
MACE—28 cs, Karl H Landes & E Balint, Grenada
21 cs, Macassar
MAGNESITE—2,390 bgs, Golwynne Chemical Corp, Madras
MAGNESIUM SULFATE—50 dms, Gallard Schlesinger, Liverpool
TRISILICATE—40 cs, Reheis & Co, Liverpool
MALONIC ACID—2 cks, Interstate Chemical Corp, Bremen
MANGROVE BARK—1,251 bgs, Marcel Calvet, Esmeralda
1,543 bgs, Chemical Bank, Lourenco Marques
MENTHOL—200 cs, Murwal Inc, Santos
55 cs, Geismar & Co, Santos
305 cs, Amertrade Inc, Santos
MERCURY—11 flks, Mercantile Metal & Ore Corp, Tampico
140 flks, Vera Cruz

METHYL VIOLET—15 dms, Dye Specialties Inc, Rotterdam
MOLASSES—500 tons, W R Grace & Co, Salaverry
MONOSODIUM GLUTAMATE—40 cs, Prescott & Co, Yokohama
MONTAN WAX—1,100 bgs, Wax & Rosin Products, Bremen
207 bgs, Colonial Trust Co, Hamburg
110 bgs, Wax & Rosin Products, Hamburg
2.000 bgs, Strohmeyer & Arpe, Hamburg
100 bgs, Dura Commodities Corp, Hamburg
267 bgs, Frank B Ross, Hamburg
MUSTARD SEED—300 bgs, Berns & Koppstein, London
400 bgs, C Gulden, Copenhagen
MYROBALANS—381 bgs, Hammond & Carpenter, Bombay
2,286 bgs, Barkey Importing Co, Bombay
EXTRACT—400 bgs, Tanimex Corp, Hull
500 bgs, Olson Sales Agency, Hull
MYRTLE LEAVES—9 bgs, S B Penick & Co, Genoa
NAPHTHALENE—815 bgs, Koppers Co, Hull
320 bgs, Koppers Co, Middlesbrough
1,131 bgs, American Cyanamid Co, Middlesbrough
1,000 bgs, Trans World Shipping Corp, Rotterdam
1,000 bgs, Antwerp
NAPHTHOL—2 dms, Hensel Bruckmann & Lorbacher, Rotterdam
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140 bbls, Hamburg
110 bbls, Bremen
SULFATE—18 bbls, Atlantic Bank of N Y, Hamburg
60 cks, Hanover Bank, Bremen
100 bbls, Chas Page & Co, Gothenburg
330 bgs, Bremen
416 bbls, Hamburg
NICOTINE SULFATE—8 dms, Chase National Bank, Rotterdam
m-NITRO-p-TOLUIDINE—8 dms, A V Berner, Liverpool
NUTMEG—120 bgs, Borneo Sumatra Trading Co, Singapore
500 bgs, Karl H Landes & E Balint, Grenada
250 bgs, John Holt & Co, Grenada
200 bgs, Otto Gerdau, Grenada
50 bgs, A G Dunn, Grenada
250 bgs, Norda Essential Oil & Chemical Co, Grenada
53 bgs, Becker Mayer Seed Co, Rotterdam
80 bgs, A G Dunn, Rotterdam
13 bgs, R J Spitz Rotterdam
214 bgs, Macassar
NUX VOMICA—800 bgs, Volkart Bros, Cochin
OAKWOOD EXTRACT—360 bgs, A C Trask Co, Hamburg
OCOTEA CYMBARUM OIL—55 dms, Norda Essential Oil & Chemical Co, Rio de Janeiro
76 dms, Bank of London & S A, Rio de Janeiro
OLEYL ALCOHOL—87 dms, Croda Inc, Liverpool
OLIBANUM GUM—94 bgs, Chase National Bank, Massawa
222 bgs, Massawa
OLIVE OIL—158 dms, Credit Suisse, Malaga
106 dms, National City Bank, Malaga
53 dms, Chase National Bank, Malaga
30 dms, Uddo & Taormina, Palermo
115 dms, Credit Suisse, Seville
140 dms, Manufacturers Trust Co, Seville
50 dms, National City Bank, Seville
50 dms, Guaranty Trust Co, Seville
OPIUM—250 cs, N Y Quinine & Chemical Works, Istanbul
OREGANO—85 bgs, A C Villagran, Callao
ORRIS ROOT—40 bgs, W Mahneke, Casablanca
OURICURY WAX—28 bgs, River Plate Corp, Salvador
PALM OIL—358 tons, Stein Hall & Co, Belawan Deli
PALM KERNEL OIL—338 tons, E F Drew & Co, Hull
150 tons, Matadi
PAPAIN—73 cs, Chas L Huisking & Co, Mombasa
2 cs, Promotex Inc, Mombasa
41 cs, Mombasa
PAPRIKA—860 bgs, M J Golombeck, Istanbul
PATCHOULI OIL—16 dms, Tombarel Products Corp, Penang
2 dms, Calvert Vavasseur, Penang
4 dms, George Lueders & Co, Penang
PEANUT OIL—320 tons, Durkee Famous Foods, Hull
PEATMOSS—1,450 bls, Premier Peatmoss Corp, Bremen
7,900 bls, J E Bernard, Bremen
5,000 bls, J E Bernard, Hamburg
2,000 bls, Lion Trading Co, Bremen
PECTIN—17 kgs, Jafbro Corp, Copenhagen
PEPPER, BLACK—160 bgs, Dalamal & Sons, Cochin
80 bgs, Polak Trading Co, Cochin
70 bgs, A C Israel, Singapore
160 bgs, Borneo Sumatra Trading Co, Oosthaven
240 bgs, Volkart Bros, Cochin
240 bgs, A C Israel, Cochin
480 bgs, M Golodetz, Cochin
240 bgs, Volkart Bros, Alleppey
160 bgs, Joensson & Cross, Kozhikode
800 bgs, Cochin
840 bgs, Alleppey
RED—54 bgs, Becker Mayer Seed Co, Mombasa
310 bgs, Holland Colombo Trading Society, Mombasa
160 bgs, John Holt & Co, Apapa
150 bgs, Joensson & Cross, Kobe
WHITE—80 bgs, Mincing Trading Corp, Pangkal Pinang
80 bgs, Borneo Sumatra Trading Co, Pangkal Pinang
136 bgs, Internatio Rotterdam, Pangkal Pinang
280 bgs, A G Dunn, Singapore
70 bgs, Joensson & Cross, Singapore
553 bgs, Borneo Sumatra Trading Co, Singapore
70 bgs, Internatio Rotterdam, Singapore
PERU BALSAM—1 dm, Wessel Duval & Co, Puntarenas
PETROLEUM, CRUDE—19,484 tons, Esso Standard Oil Co, Las Piedras
365,769 bbls, California Oil Co, Sidon
200,000 bbls, Esso Standard Oil Co, Puerto La Cruz
POLLACKLIVER OIL—10 dms, Arista Oil Products Co, Yokohama
400 dms, Mitsubishi International Corp, Yokohama
POLYVINYL ACETATE RESIN—24 dms, Terra Chemicals Inc, Hamburg
CHLORIDE—7,500 bgs, Naples
POPPY SEED—200 bgs, Levy & Levis Co, Gdynia
400 bgs, Louis Furth, Gdynia
400 bgs, C M Van Sillevoldt, Glynia
1,000 bgs, Nicola Maffia, Gdynia
100 bgs, P H Petry, Rotterdam
100 bgs, R T French, Rotterdam
400 bgs, Levy & Levis Co, Rotterdam
200 bgs, R J Spitz, Rotterdam
899 bgs, Louis Furth, London
200 bgs, Catz American Co, Rotterdam
OIL—23 dms, Tunley & Co, Antwerp
POTASSIUM CYANIDE—77 dms, Amplex Chemical Co, Hamburg
68 dms, Leviant & Co, Hamburg
46 dms, Meyer Shipping Co, Hamburg
770 dms, Philipp Bros Chemicals, Rotterdam
267 dms, Chemical Manufacturing Co, Middlesbrough
FERRICYANIDE—100 bbls, Atlantic Raw Materials, Hamburg
PERCHLORATE—25 bbls, Chilean Nitrate Sales Corp, Antofagasta
SILICATE—570 bgs, Sylvania Electric Products, Rotterdam
PSYLLIUM SEED—440 bgs, S B Penick & Co, Bombay
404 bgs, T M Duche & Sons, Bombay
HUSKS—129 bgs, S B Penick & Co, Bombay
PYRETHRUM EXTRACT—40 dms, McLaughlin Gormley King Co, Mombasa
FLOWERS—129 bls, Food Machinery & Chemical Corp, Mombasa
175 bls, P H Petry, Puna

QUEBRACHO EXTRACT—4,597 bgs, Tanimex Corp, Buenos Aires
3,000 bgs, International Products Corp, Buenos Aires
226 bgs, Tan American Corp, Buenos Aires
555 bgs, River Plate Corp, Buenos Aires
QUINCE SEED—149 bgs, Khorramshahr
RADIUM ELEMENT—1 cs, Radium Chemical Co, Antwerp
RED IRON OXIDE—10 cks, J H Rhodes & Co, Liverpool
40 dms, F L Kraemer, Bremen
ROSEWOOD OIL—3 dms, Dodge & Olcott, Belem-Para
SAFFRON—14 bgs, Vera Cruz
SAGO FLOUR—1,112 bgs, Chartered Bank of India, Australia & China, Singapore
SANDALWOOD—383 bgs, W J Bush & Co, Madras
SAPONIN—10 cs, Karr Ellis Co, Liverpool
SASSAFRAS OIL—15 dms, Dodge & Olcott, Yokohama
6 dms, Lo Curto & Funk, Yokohama
ARTIFICIAL—10 dms, Consumers Import Co, Kobe
25 dms, Lo Curto & Funk, Kobe
SEEDLAC—750 bgs, Gillespie Rogers Pyatt, Bangkok
500 bgs, Chase National Bank, Bangkok
500 bgs, Mantrose Corp, Bangkok
1,000 bgs, Mac Lac Co, Bangkok
165 bgs, Haeuser Shellac Co, Bangkok
1,750 bgs, East Asiatic Co, Bangkok
1,987 bgs, Colony Import & Export Corp, Bangkok
2,250 bgs, Borneo Sumatra Trading Co, Bangkok
100 bgs, Schwab Bros, Bangkok
250 bgs, Balfour Guthrie, Bangkok
250 bgs, Doran & Schmiedel, Bangkok
169 bgs, Suhr & Bundelman, Bangkok
750 bgs, Sino Java Inc, Bangkok
250 bgs, Bankers Trust Co, Bangkok
1,000 bgs, Bangkok
433 bgs, Calcutta
SENNA LEAVES—150 bls, Prentiss Drug & Chemical Co, Tuticorin
60 bls, Meer Corp, Tuticorin
100 bls, Sterling Drug Inc, Tuticorin
SERPENTINA ROOT—[illegible] bgs, Unity Import & Export Co, Bangkok
15 bgs, East Asiatic Co, Bangkok
SESAME SEED—3,964 bgs, Independent Halvah & Candies Inc, Cutuco
HULLED—300 bgs, Levy & Levis Co, Corinto
100 bgs, Sokol & Co, Corinto
SHARKLIVER OIL—3 bbls, Collett Week Corp, Oslo
SHELLAC—68 dms, F H Paul & Stein Bros, Hamburg
100 bgs, P N Rowe, Calcutta
20 bgs, Dings & Schuster, Bremen
100 bgs, Calcutta
SOAP BARK—678 bls, S B Penick & Co, San Antonio
382 bls, Duncan Fox & Co, Valparaiso
60 bls, Parker Trading Co, Valparaiso
367 bls, Prentiss Drug & Chemical Co, Valparaiso
138 bls, S B Penick & Co, Valparaiso
191 bls, Valparaiso
SODIUM ACETARSONE—2 cs, American Roland Corp, London
ALGINATE—15 dms, T M Duche & Sons, Glasgow
ALUMINATE—200 dms, Chemical Manufacturing Co, Liverpool
AZIDE—25 bbls, Lo Curto & Funk, Hamburg
CHLORITE—100 dms, Lo Curto & Funk, Bremen
46 dms, Rotterdam
CYANIDE—190 dms, Chemical Manufacturing Co, Liverpool
598 dms, Chemical Manufacturing Co, Middlesbrough
643 dms, American Cyanamid Co, Middlesbrough
PERBORATE—56 dms, Hamburg
PHOSPHATE—50 dms, Rotterdam
STARCH—440 bgs, Rotterdam
STEARYL ALCOHOL—200 bgs, Croda Inc, Liverpool
SULFUR—12 bgs, Pennsalt Corp, Antofagasta
PRECIPITATED—40 cks, Mallinckrodt Chemical Works, Liverpool
SUMAC—140 bgs, River Plate Corp, Palermo
TALC—19,200 bgs, Charles Mathieu, Genoa
TANKAGE—219 bgs, Tupman Thurlow, Auckland
329 bgs, Tupman Thurlow, Napier
TAPIOCA—650 bgs, Morningstar Nicol, Itajai
500 bgs, Stein Hall & Co, Itajai
359 bgs, Manhattan Paste & Glue Co, Itajai
111 bgs, Internatio Rotterdam, Tjirebon
FLOUR—2,000 bgs, C & W Trading Co, Itajai
5,000 bgs, Stein Hall & Co, Itajai
833 bgs, Harry F R Dolan Jr, Itajai
850 bgs, American Key Products, Itajai
2,334 bgs, Manhattan Paste & Glue Co, Itajai
1,770 bgs, Stein, Hall & Co, Tjirebon
2,000 bgs, Stein, Hall & Co, Bangkok
4,950 bgs, Stein, Hall & Co, Cheribon
1,000 bgs, Bangkok
TARTARIC ACID—200 bgs, Nylos Trading Co, Genoa
THIAMINE HYDROCHLORIDE—5 cs, D Hauser, Kobe
TOLU BALSAM—3 dms, Dodge & Olcott, La Libertad
TRAGACANTH GUM—218 bgs, Sherkat Amiran, Khorramshahr
29 cs, Sherkat Amiran, Khorramshahr
36 cs, V Simidian & Co, Khorramshahr
TRICHLOROETHYLENE—204 dms, Chemical Manufacturing Co, Liverpool
TURMERIC—480 bgs, Volkart Bros, Cochin
80 bgs, Irving Trust Co, Alleppey
160 bgs, Chemical Bank, Alleppey
240 bgs, Brown Bros, Alleppey
153 bgs, Becker Mayer Seed Co, Port au Prince
470 bgs, Alleppey
160 bgs, Cochin
ULTRAMARINE BLUE—1 bbl, C A Haynes, Rotterdam
50 dms, Rotterdam
UREA—1,600 bgs, Nylos Trading Co, Genoa
SYNTHETIC—6,000 bgs, Chemical Manufacturing Co, Middlesbrough
VANADIUM CONCENTRATES—800 bgs, Vanadium Corp of America, Callao
VANILLA BEANS—58 cs, Gillespie & Co, Djibouti
50 cs, Thurston & Braidich, Djibouti
VITAMIN C—5 cs, Lo Curto & Funk, Yokohama
WATTLE EXTRACT—1,665 bgs, Barkey Importing Co, Mombasa
20 bgs, A C Trask Co, Hamburg
WHITING—1,344 bgs, Smith Chemical & Color Co, Hull
600 bgs, Pluess Stauffer, Antwerp
WITHERITE—112 tons, E I duPont de Nemours & Co, Middlesbrough
323 bgs, Dunnington & Arnold, Newcastle-on-Tyne
WOOL GREASE—285 dms, National City Bank, Kobe
50 dms, Hudson Shipping Co, Antwerp
104 dms, Hummel Chemical Co, Bremen
54 dms, Lanatex Products, Liverpool
26 dms, Croda Inc, Liverpool

Baltimore

EARTH COLOR—900 bgs, American Chemical & Pigment Corp, Bremen
FISHMEAL—1,867 bgs, Wessel Duval & Co, Chimbote
PEATMOSS—400 bls, F H Shallus, Bremen
PEPPER, BLACK—80 bgs, Otto Gerdau, Cochin
TAPIOCA FLOUR—1,000 bgs, Harry F R Dolan Jr, Itajai

Los Angeles

ANISE SEED—59 bgs, U[illegible] Foreign Service Co, Rotterdam
BONE—2,208 bgs, Transatlantic Animal By-Products Corp, Havre

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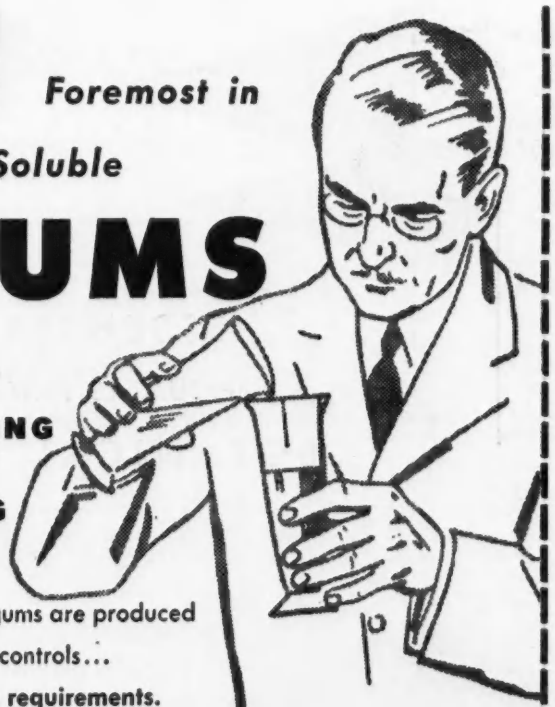
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COPRA—1,500 long tons, American Trust Co, Cebu
1,500 long tons, American Trust Co, Dumaguete
CAKE—4,000 bgs, Van Waters & Rogers Inc, Manila
5,600 bgs, Wilbur Ellis Co, Manila
2,000 bgs, Pacific Vegetable Oil Corp, Cebu
CUMIN SEED—252 bgs, Rotterdam
FISHLIVER OIL—2 dms, Universal Foreign Service Co, Yokohama
2 dms, Vitamins Inc, Yokohama
150 dms, Interocean Chemical & Minerals Corp, Yokohama
KELPMEAL—300 bgs, Norwegian Kelp Meal Importing Co, Bergen
PEPPER—24 bgs, Internatio Rotterdam Inc, Singapore
RED—75 bgs, Hismoco American Co, Kobe
POLLACKLIVER OIL—50 dms, Universal Foreign Service Co, Yokohama
TAPIOCA—120 bgs, H M Newhall & Co, Penang
UREA—1,378 bgs, Atkins Kroll & Co, Antwerp
1,000 bgs, C M C Chemicals Inc, Hull
WHITING—3,600 bgs, Antwerp

Norfolk

PEATMOSS—1,200 bls, J M Trading Corp, Bremen
QUEBRACHO EXTRACT—1,057 bgs, River Plate Corp, Buenos Aires
TAPIOCA FLOUR—600 bgs, Stein Hall & Co, Bangkok
500 bgs, M Rothschild, Bangkok
400 bgs, Morningstar Nicol, Bangkok

Philadelphia

ASBESTOS FIBER—3,200 bgs, Chas Kruz Co, Beira
700 bgs, Johns Manville Corp, Lourenco Marques
1,080 bgs, A Gibbs Co, Durban
3,060 bgs, Johns Manville Corp, Capetown
CASEIN—500 bgs, Buenos Aires
FLUORSPAR—3,148 tons, Gijon
FUEL OIL—103,729 bbls, Paragon Oil Co, Tampico
GYPSUM—4,971 tons, U S Gypsum Co, Hantsport
LICORICE ROOT — 7,387 bls, MacAndrews & Forbes, Antwerp
NAPHTHALENE—2,000 bgs, M W Hardy, Gdynia
661 bgs, Rotterdam
2,006 bgs, Antwerp
NICKEL SULFATE—60 bgs, Rotterdam
OLIVE OIL—40 dms, Guaranty Trust Co, Seville
50 dms, National City Bank, Tarragona
PEATMOSS—1,000 bls, Lion Trading Co, Bremen
1,000 bls, E J Lang, Bremen
1,250 bls, Premier Peatmoss Corp, Bremen
700 bls, E Dunwoody, Bremen
PETROLEUM, CRUDE—242,686 bbls, Texas Co, Las Piedras
116,593 bbls, Texas Co, Covenas
115,108 bbls, Texas Co, Puerto La Cruz
1,034,301 bbls, Gulf Oil Corp, Puerto La Cruz
110,338 bbls, Gulf Oil Corp, Mena Al Ahmadi
251,030 bbls, Cities Service Oil Co, Mena Al Ahmadi
115,610 bbls, Atlantic Refining Co, Tripoli
103,255 bbls, Atlantic Refining Co, Amuay Bay
230,172 bbls, Atlantic Refining Co, Puerto La Cruz
551,157 bbls, Socony Vacuum Oil Co, Mena Al Ahmadi
125,580 bbls, Socony Vacuum Oil Co, Covenas
PYRETHRUM FLOWERS—429 bls, Mombasa
QUEBRACHO EXTRACT—1,653 bgs, Buenos Aires
1,737 bgs, Cupples Manufacturing Co, Buenos Aires
SHELLAC—146 bgs, F H Paul & Stein Bros, Rotterdam
VANILLA BEANS—69 cs, Camax Co, Vera Cruz
19 cs, Camax Co, Djibouti
WATTLE EXTRACT—1,040 bgs, River Plate Corp, Durban
WHITING—2,788 tons, Phila National Bank, London

San Francisco

AGAR—12 cs, Getz Bros, Yokohama
ASBESTOS FIBER—1,920 bgs, Keasby & Mattison, Lourenco Marques
CALCIUM NITRATE—8,000 bgs, Wilson & Geo Meyer & Co, Oslo
39,000 bgs, Wilson & Geo Meyer & Co, Heroya
CINNAMON QUILLS—25 bls, Mincing Trading Corp, Penang
CLOVE—200 bls, First National Boston, Zanzibar
12 cs, H M Newhall & Co, Penang
200 bls, Durban
200 bls, Zanzibar
COPRA—1,000 tons, American Trust Co, Dumaguette
500 tons, Cargill Inc, Dumaguette
CORIANDER SEED—300 bgs, B C Ireland, Casablanca
DAMMAR GUM—12 bgs, Internatio Rotterdam, Singapore
12 bgs, Singapore
FISHMEAL—2,500 bgs, Marine & Animal By-Products Corp, Talcahuano
652 bgs, Wessel Duval & Co, Callao
762 bgs, Jerome International Corp, Callao
600 bgs, Lindfors Chemical Co, Callao
4,345 bgs, Balfour Guthrie, Chimbote
7,609 bgs, Wessel Duval & Co, Chimbote
1,087 bgs, Woodward & Dickerson, Chimbote
1,104 bgs, Lindfors Chemical Co, Chimbote
1,087 bgs, Jerome International Corp, Chimbote
HERRINGMEAL—2,166 bgs, Wilbur Ellis Co, Callao
IRON OXIDE—600 bgs, Chemical Bank, Bremen
NUTMEG—84 bgs, Catz American Co, Singapore
PEPPER, BLACK—49 bgs, Internatio Rotterdam, Singapore
40 bgs, Cochin
PETROLEUM, CRUDE—200,532 bbls, Tide Water Assoc Oil Co, Sidon
QUEBRACHO EXTRACT—100 bgs, Gothenburg
SESAME SEED—450 bgs, Pacific National Bank, Corinto
200 bgs, Bank of California, Corinto
250 bgs, Hismoco American Co, Corinto
SODIUM BICHROMATE—95 dms, Durban
TAPIOCA—160 bgs, A J Fritz & Co, Hong Kong
160 bgs, A E Coppersmith, Hong Kong
120 bgs, H M Newhall & Co, Penang
FLOUR—200 bgs, A E Coppersmith, Hong Kong
UREA—689 bgs, Atkins Kroll & Co, Antwerp
VANILLA BEANS—12 cs, Paul Rieger & Co, Papeete
12 cs, H M Newhall & Co, Papeete
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WHITING—2,000 bgs, N H Weitzner, Antwerp

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Essential Oils, Aromatics, Flavorings

Last week saw the paradox of one type of citronella oil advancing in the spot market while another quality declined. Formosa (Java type) citronella oil advanced 15 cents per pound while Ceylon estate quality declined 5 cents. The imminence of possible invasion of Formosa this month has heightened the tension in the commodity market there with a corresponding advance in shipment prices. Citronella stocks on the island were reported to be quite small with very little material remaining unsold. Supplies of Ceylon estate quality oil appeared to be ample for present consumer needs and the result has been a gradual softening of the market on spot. True Java oil was available at prices on par with the Formosan material.

The spot market took a substantial rise in bois de rose oil last week. It was understood that there remained very little of the new crop unsold with the result that the spot market exhibited an increased tendency toward bullishness. Spearmint oil advanced 10 cents in face of steady consumer inquiry and the fact that current stocks will have to accommodate requirements until the next crop which will not be available until this Fall.

The citrus oils group continued in fair demand, on the whole. Consumer requirements have been slow to materialize, to date but it was felt that seasonal factors would come into play in the very near future. Sandalwood oil remains very firm in face of high replacement costs while patchouli and cananga oils held unchanged.

In the seeds and spices group, price activity was downward, as it has been in recent weeks. French celery seed was off 1 cent with Indian quality holding unchanged. Caraway seed declined ½ cent while anise seed was off 1 cent per pound. Ceylon cinnamon was off 1 cent on No. 2 quality while the "0000" grade was 3 cents lower. Dill and poppy seeds declined 1 cent in face of slow consumer inquiry. African ginger was easier with Sierra Leone quality off ½ cent and Nigerian split quality down 1 cent. Jamaica ginger held unchanged. Vanilla beans continued to decline last week. Demand was reported to have been accelerated considerably by the drop in prices. How long the market will hold at present levels depends to a great degree upon the state of the market at origin.

Essential Oils

Bois de Rose—Bois de rose oil was recently advanced 30c., on spot, reflecting the tightening in stocks available for spot sale. It was heard that the bulk of bois de rose production had been sold on contract with the result that spot quotations advanced in an adjustment of market values. Bois de rose oil was currently quoted at $4.80 to $6 per pound, depending upon quantity and various sellers' ideas.

Camphor—The market remained essentially unchanged. Offers from origin continue scarce while spot demand from consumers has been dulled by the relative high price and uncertainty of supply of this essential oil. The outlook for the immediate future is for more of the same, according to trade sources. The unstable situation in Formosa has emphasized the hopelessness of the supply situation.

Imports Detained by FDA

Week Ended March 25

New York

Amatillo Root, 453 bags: no name of product or directions for use.
Black pepper (2 lots), 70 bags: moldy.
Chamomile flowers, 50 cases: insects.
Cassia (45 lots), 8,122 bags: filthy.
Chillies (8 lots), 970 bags: insects.
Cloves (4 lots), 500 bags: filthy.
Fenugreek seed, 100 bags: filthy.
Ginger (4 lots), 401 bags: wormy.
Gum karaya (7 lots), 273 bags: filthy.
Kola nuts, 70 bags: wormy.
Nutmegs (6 lots), 716 bags: moldy and wormy.
Oregano leaves, 26 bags: filthy.
Pimento, 40 bags: filthy.
Rauwolfia serpentina root (3 lots), 40 bags: no name of product or directions for use.
Sesame seed (2 lots), 130 bags: wormy.
Senna leaves, 100 bales: filthy.
Sage leaves, 105 bales: filthy.
Stramonium leaves, 40 bales: filthy.
Turmeric (13 lots), 1,008 bags: moldy.

Price Trends

Advanced

Anethole, 20c. per lb.
Oil, bois de rose, 30c. per lb.
Citronella, Java type, 15c. per lb.
Spearmint, USP, 10c. per lb.

Reduced

Anise seed, 1c. per lb.
Caraway seed, ½c. per lb.
Celery seed, French, 1c. per lb.
Cinnamon, Ceylon #2, 1c. per lb.
"0000", 3c. per lb.
Dill seed, 1c. per lb.
Ginger, Sierra Leone, ½c. per lb.
Nigerian, splits, 1c. per lb.
Oil, citronella, Ceylon, 5c. per lb.
Pimento, Jamaica, 1c. per lb.
Mexican, 3c. per lb.
Poppy seed, 1c. per lb.
Vanilla beans, Bourbon, 75c. per lb.
Mexican, whole, 75c. per lb.
Tahiti, $1.25 per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
136.79	136.85	135.87	147.93

(For Current Prices see Page 9)

Citronella—Formosan (Java type) citronella oil advanced 15c. last week with prospects of going higher. The news from Formosa was that unsold stocks were shrinking rapidly and the imminence of invasion has heightened the tension in the commodity market there. The spot market here ranged from $1.80 to $2.50 per pound on Formosan oil. True Java citronella was very firm at $1.85-$2. Ceylon estate oil, however, eased slightly, on spot, declining 5c. per pound. Whether this trend will be reversed was conjectural but nevertheless conceded to be likely in face of continued rising in the other qualities. The current market ranged from $1.05 to $1.70 on Ceylon estate oil.

Clove Leaf—The market continued to ease last week, declining 5c. The current range was $1.50 to $2.20 on the unrectified, grade.

Eucalyptus—Origin continued to report strength in primary markets. Spot prices were noted to have been advanced in some quarters.

Lemon—The market continued to display a generally weak tone. Seasonal factors were expected to spur demand momentarily but how soon was a matter for conjecture. Supplies were ample for immediate needs.

Orange—The spot market remained weak. Prices gave no indication of possible strengthening in the near future. Supplies were ample and expected to remain adequate throughout the coming warm weather months.

Peppermint—There were no significant changes in this oil last week. It was considered probable that the market might advance higher in the months to come, particularly on the high testing material, the supply of which was reported only fair.

Sandalwood—The spot market was quite firm in face of higher replacement costs from origin. Prices held at steady levels. Supplies were none too plentiful and tightly held.

Aromatic Chemicals

Anethole—Prices were advanced 20c. per pound last week. The supply situation remains critical with the bulk of production going into NF grade anethole.

Miscellaneous

Anise Seed—Mexican anise seed declined 1c. per pound, on spot, last week. Spanish quality also declined a corresponding amount. The current market on the former was 34c-35c. and on the latter, 37c.-38c. per pound.

Caraway Seed—The spot market declined ½c. per pound last week in face of consumer lassitude. Supplies were adequate to cover anticipated needs and prices ranged around 18½c.

Celery Seed—French celery seed declined 1c. per pound last week. The current price was 42c. to 43c. per pound. Indian quality was unchanged at 14c.-14½c.

Cinnamon—Ceylon No. 2 cinnamon declined 1c. last week and was quoted at 56c. per pound. The "0000" grade was off 3c. at 77c.

Cumin Seed—Iranian and Turkish qualities were unchanged at 12½c. per pound. Supplies were adequate for consumers' requirements.

Dill Seed—Spot quotations declined 1c. on both the natural and dewhiskered grades last week. The current price on the former was 10c. with the latter at 11c. per pound.

Ginger—Sierra Leone ginger sloughed off ½c. on spot to 30c. last week while Nigerian splits were 1c. lower at 25c.-26c.

For Late Market Developments, See Page 4

Key Men at MM&R

DOMINICK "DOM" E. BELLAVIGNA

Production Superintendent, MM&R

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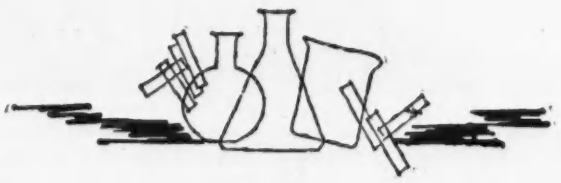

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Jamaica ginger grades were unchanged and steady.

Mace—There were no changes in mace last week. East and West Indian varieties were steady at $1.40 per pound. Supplies were ample.

Pepper—The market just about held to the preceding week's closing levels last week. The appearance of pressure to sell Lampong from Singapore has contributed to the weakness of the market. The demand for spots and nearbys was fair but not sufficient to encourage traders to step in boldly and absorb all of the Lampong offerings. India's level declined fractionally when the competition from Singapore became known.

Pimento—The spot market continued to ease in face of weak consumer interest. Jamaican quality was off 1c. at 90c. while Mexican pimento declined 3c. to 70c. per pound.

Poppy Seed—Dutch poppy seed declined 1c. last week and was currently quoted at 27½c. Polish and Turkish qualities were off 1c. and were quoted at 27c. and 24c., respectively.

Turmeric—Newcrop arrivals of Alleppey turmeric are moving into consumption. Shipment offerings are light. It appears that detentions as well as a scarcity in India have discouraged shippers from taking further business except at very full levels. The lower quality grades are currently in better supply although newcrop Madras shipments have yet to be made.

Vanilla Beans—The spot market continued to decline last week with spot prices off 75c. from previously reported levels. The current market on spot Bourbon quality ranged from $8.75 to $9.25 per pound. Tahiti beans were quoted at $8 to $8.50 per pound while Mexican vanilla ranged from $9.25 to $10 per pound for the whole. The Mexican quality was reported to be holding firmer, pricewise, than the other grades, due to bullish factors at origin. The new crop will not be ready for several weeks and in the interim, spot prices have not declined as severely as on the other qualities due to high replacements prices quoted on the new crop.

Olin Toiletries Unit Post Goes to James V. Shannon

James V. Shannon, jr., has been appointed manager of marketing for Winchester Toiletries, newly-formed unit of Olin Mathieson Chemical Corporation, and E. James Hubbard has been made west coast representative.

Winchester Toiletries will soon test market its new line of men's grooming aids, including "Gun Smoke" after-shave lotion, "Repeater" aerosol lather shave, "Silent Partner" deodorant stick, and other men's products in the western states area.

MM&R Honored by New York

Magnus, Mabee & Reynard, New York, has received New York City's certificate of honor on the occasion of its sixtieth anniversary. Presentation was made by Richard C. Patterson, Commissioner of the Department of Commerce and Public Events, at a special meeting held recently at the Metropolitan Club. Percy C. Magnus, president of MM&R, accepted the certificate on behalf of his company.

Fritzsche Adds New Office

Fritzsche Brothers, Inc., New York, has announced that its Canadian affiliate, Fritzsche Brothers of Canada, Ltd., has opened an office at 6999 Cote des Neiges road in Montreal. Ralph Arsenault will be in charge.

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Oils, Fats and Waxes

This market was dull and featureless last week. Trading was reported light for the entire list. Soybean oil was unsettled and fractionally lower, with weaker beans. Crude cottonseed oil was unchanged, while refined was easy with the decline of futures. Corn oil remained steady and slightly higher. Peanut oil continued quiet and nominal. Crude coconut oil demand was restricted to prompt shipment. Copra was unchanged and steady.

Tallow and greases remained steady and quotations were raised slightly. Trading was reported moderate between dealers, while consumers showed little interest in replacements. Export inquiry improved, but volume of business was reported limited. Other animal oils were fairly steady and quotably unchanged. Lard was firmer and fractionally higher, which was reflected in edible tallow.

Consumer interest in linseed oil replacements continued slow, but the market was firm due to the low cost of meal. Tung oil was stronger and higher due to reports of considerable damage to the crop in the South from the recent freezing temperatures. Oiticica was quiet and tankcars were off fractionally. Tall oil was stronger and crude and refined grades were lifted fractionally, April 1.

There was no improvement to the slow demand for oilmeals. Cottonseed meal was $1 per ton lower and linseed meal was off $2. Soybean meal was unchanged.

Price Trends

Advanced

Greases, ¼c. per lb.
Lard, ¼c. per lb.
Oil, corn, crude, ⅛c. per lb.
refd., ⅛c. per lb.
Tall, crude, ¼c. per lb.
refd., ¼c. per lb.
Tung, ¼c. per lb.
Tallow, edible, ¼c. per lb.
inedible, ⅛c. per lb.

Reduced

Cocoa butter, 1c. per lb.
Cottonseed meal, $1 per ton.
Linseed meal, $2 per ton.
Oil, castor, Braz., ¼c. per lb.
Cottonseed, refd., ⅛c. per lb.
Oiticica, ¼c. per lb.
Palm, ¼c. per lb.
Safflower, ¼c. per lb.
Soybean, crude, ⅛c. per lb.
refd., ⅛c. per lb.
Wax, Japan, 2c. per lb.

Comparative Price Indexes

(100=1949 average)

Last week	Prev. week	Last month	April 2, 1954
107.97	108.41	111.47	108.68

(For Current Prices see Page 9)

Vegetable Oils

Castor—Demand for domestic oil was slow, chiefly for small lots for actual needs. No. 1 Brazilian was easier and quoted at 12¾c. per pound, tankcars, New York, prompt delivery.

Coconut—Crude oil was steady, with trading at 11⅝c. per pound, tankcars, f.o.b. Pacific coast, April shipment and 11¾c. asked. The New York market was unchanged at 12¾c. per pound, tankcars, prompt delivery.

Corn—Market was firmer with crude sales reported at 13⅛c. per pound, tankcars, f.o.b. mills, prompt delivery. Refined was slightly higher at 16c. per pound, tankcars, f.o.b. mills, prompt delivery. Refined was slightly higher at 16⅝c. per pound, tankcars, New York basis.

Cottonseed—Bleachable cottonseed oil futures were unsettled last week due to the weakness of soybeans which resulted in new crop deliveries reaching new lows for the season. New crop crude soybean oil futures also made new lows. Trading was mixed and price scored fractional declines under moderate liquidation. Cash oil business was slow and refined salad oil was slightly lower at 16⅜c. per pound, tankcars, New York basis for prompt dedelivery, while crude cottonseed oil was not under pressure and remained steady. Steady increase was noted in tenders of cottonseed products to the government under the support program, which helped the crude oil market. In the southeast crude was sold at 13c. per pound, tankcars, f.o.b. mills; 12¾c., Valley and 12⅜c. to 12½c., Texas, as to location.

The February consumption report steadied the market late in the period, and indicated disappearance of refined cottonseed oil at 4,269 tankcars (including exports), against 2,773, January and 2,726 in February last year. Disappearance thus far this season (August-February) totaled 22,991 tankcars, against 14,703 for the same period last year.

Sales and prices of prime summer yellow cottonseed oil futures in tankcars (60,000 pounds) on the N. Y. Produce Exchange for the week ended April 1 follow:—

	Sales	Cents per pound High	Low	Close
May	93	15.00	14.80	14.93@14.95
July	110	14.91	14.61	14.76S
September	12	14.50	14.20	14.33@14.38
October	26	14.22	13.88	14.05@14.10
December	23	14.25	13.90	14.04@14.10
January	3	13.98	13.94	14.02@14.14
March	2	14.23	14.23	13.95@14.15

Total sales, 269 contracts.

Memphis.—Crude cottonseed oil 12¾c. per pound, tankcars. Trading light. Cottonseed meal, old process $61 and solvent $60 per ton, sacked, Memphis, hulls, $16 ton, sacked and $12 bulk, immediate shipment, with April-June about $3 less.

Linseed—Weakness of meal continued to keep oil on a firm basis, despite slow consumer interest. Raw oil was firmly maintained at 12.4c. per pound, tankcars, Minneapolis, April-June delivery. Deliveries against contracts continued in active request.

Flaxseed—Market was dull and featureless. Prices were unchanged.

Minneapolis.—Trade was narrow in the futures market as well on cash seed. Bids were steady at $3.20 a bushel, spot or to-arrive. Bookings in the spot cash market totaled only four cars. To-arrive bookings ran to two cars and about 4,000 bushels in odd lots out of store. Actual arrivals of seed for all accounts totaled 43 cars as against 60 cars the preceding week and 78 cars in the like week last year.

Receipts and shipments of flaxseed, in bushels, were as follows:—

	Receipts 1954-55	Receipts 1953-54	Shipments 1954-55	Shipments 1953-54
Past week.	75,250	127,500	52,500	35,000
Since Sept. 1	19,711,250	14,818,150	4,331,500	3,026,200

Oiticica—Consuming inquiry was slow. Liquid was unchanged at 13½c. per pound, tankcars, New York, prompt and later delivery. Drums were unchanged at 15c. to 15½c. per pound, according to quantity.

Olive—Slow demand for oil on spot has unsettled this market. Prices were unchanged, but could have been shaded for sizable lots. Spanish oil was quoted nominally at $2.35 to $2.40 per gallon, drums, spot, duty paid and Tunisian, $2.15 to $2.20, as to quantity. Interest in replacements was inactive. Spanish oil for shipment was offered at $55 per 100 kilos, c.i.f., with out attracting attention. Greek oil shipments were quoted at $52, same basis. Export licenses for shipment from Tunisian have been suspended.

Palm—This market was easier and off fractionally. Drums ranged from 13c. to 13½c. per pound, spot as to quantity. Tankcars were lower at 11¼c. per pound, New York, prompt delivery.

Peanut—Interest in crude lagged and market was entirely at 16c. per pound, tankcar mills, southeast. Imported oil was quoted around 15½c. per pound, c.i.f., Atlantic ports. Refined oil was quiet and nominal at 19½c. per pound, tankcars, New York basis.

Safflower—Old crop oil was reduced fractionally and quoted at 17.60c. per pound, tankcars, East prompt delivery. New crop oil was offered at 15.85c., same basis, for September forward delivery.

Soybean—Weakness in soybeans was reflected in cash oil and futures, the latter reaching new lows for the season. Crude oil was sold at 11⅜c. per pound, tankcars, Decatur, first half April; 11¼c., second half April. May was nominal at 11c. and June, 10⅞c., same basis. Refined salad oil was quoted at 14⅜c. per pound, tankcars, New York, first half April.

Consumption of crude soybean oil in February was indicated at 3,409 tankcars, against 3,690 in January and 3,559, February last year. Total disappearance thus far this season (October-February) was 18,229 tankcars, compared with 17,999 during the same time last season.

Sales and prices of crude soybean oil futures on the N. Y. Produce Exhange in tankcars (60,000 pounds) for the week ended April 1 follow:—

	Sales	Cents per pound High	Low	Close
May	38	11.15	10.95	10.96@11.00
July	15	10.85	10.62	10.66@10.70
September	8	10.53	10.52	10.35@10.40
October	6	10.28	10.10	10.24@10.30
December	8	10.25	10.07	10.19@10.25

Total sales, 75 contracts.

Tung—Market was unsettled by CCC sales at lower prices at some delivery points. Sales were reported at 22c. per pound tankcars, Bogalusa, La.; 22⅜c. Avondale, La., and 23c., Chicago, Cleveland and Philadelphia. This resulted in withdrawal of buying interest, which was

For Late Market Developments, See Page 4

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active early in the week. Imported oil was nominal at 23¼c. per pound, tankcars, New York and 22½c f.o.b. mills.

Miscellaneous

Castor Beans—Trading was reported spotty. Shipments were unchanged at $113 per ton, c and f.

Imports of castor beans and castor oil at New York and Philadelphia last week were as follows:—

	Pounds	
	Beans	Oil
Last week	2,605,350	3,078,000
Previous week	2,004,150	1,394,000
Corresponding week, 1954	621,150	1,626,000
Total this year	31,519,550	20,302,000
Corresponding period, 1954	20,972,150	9,390,000

Cocoa Butter—Market was easier and off 1c. for the week. Spot stocks ranged from 63c. to 68c. per pound, depending upon quantity.

Copra—Buying interest was reported light. Prompt shipment was sold at $160.00 per ton, c.i.f. Pacific coast.

Fats and Greases

Greases—Market remained steady and quotations were lifted ½c. per pound. Trading was quiet for domestic use, while export interest was reported improved. Yellow was quoted at 6½c. per pound, tankcars, delivered house, 6¼c.; brown, 5⅝c.; choice white all hog, 8¼c. and not all hog, 8c., nominal, same basis.

Lard — Prices were advanced fractionally. Cash lard was quoted at 12¾c. per pound, drums, Chicago.

Oleo Oil—Business was reported light. Drums were unchanged at 15c. to 15½c. per pound, spot as to quantity. Oleo stearine also was quiet and unchanged at 11¼c. to 11½c. per pound, barrels, same basis.

Tallow—This market was steady with asking prices slightly higher, advancing ⅛c. per pound. Domestic business was reported slow. Export inquiry was improved, with actual sales reported limited. Bleachable fancy was quoted at 7¼c. per pound, tankcars, delivered; extra, 7c.; special, 6¾c. and No. 1, 6⅝c. Edible was firmer with lard ranging from 10½c. to 10¾c., same basis, as to seller.

Cake and Meal

Cottonseed Meal: Demand was limited to actual needs. More oil mills are tendering cottonseed products to the government under the package support program. The government will not sell meal for domestic use at less than support prices. Some mills in the southeast have little meal left to sell and are holding prices higher than the market in hopes of selling small quantities locally. Meal forty-one percent was quoted at $60 per ton sacked Memphis and Mississippi Valley points; $62 Alabama; $65 Georgia and South Carolina mills for immediate through April shipment.

Linseed Meal—Market easy and lower. Trading slow.

Minneapolis.—Prices continued to slip as no demand developed the past week. Mills pressed for directions, but met with little success. Extracted linseed meal, 36 percent protein, was quoted around $55 a ton, bulk, carlots, f.o.b., Minneapolis, with some resale stuff still pressing hard. Expeller meal, 32 percent protein, was quoted as low as $61 a ton, bulk.

Shipments of linseed meal, in pounds, were as follows:—

	1954-55	1953-54
Past week	12,480,000	12,180,000
Since Sept. 1	430,680,000	433,150,000

Soybean Meal: Demand for meal was spotty. Supplies are ample and the supply of beans seems to be more than sufficient for domestic uses. Exports of beans were a little ahead of last year. Feed manufacturers seem to be content to buy on a hand-to-mouth basis even though prices are comparatively low. Meal forty-one percent unrestricted was available at $60 per ton bulk Decatur for April-June; $58.50 July-September; $54.50 October-December shipments, and forty-four percent southeastern meal at $62 per ton bulk, mills April shipment.

Waxes

Beeswax—Business was reported slow, but the market remained firm due to the high cost of crude. African crude was firmer and higher at 63c. to 64c. per pound, spot as to seller. Refined grades were maintained at firmer levels.

Carnauba — Demand was extremely quiet. Undertone of the spot market was unsettled and firm bids could have shaded asking prices for good sized quantities. All grades were more or less nominal. Consumers limited purchases to actual needs.

Japan—The spot market was easier and quotations were lower 44c. to 46c. per pound, depending upon quantity.

Ouricury—Business was slow. Refined pure ranged from 95c. to $1 per pound and technical at 90c. to 92c., spot as to quantity and seller.

Protective Coatings Materials

Lead naphthenate and tallate quotations were lowered, reflecting competition in the drier market. Declines ranged from ¼ cent to 3¾ cents per pound. Argentine casein weakened on spot, due to a lack of buying interest on the part of consumers in this country. Prices of dioctyl phthalate and other phthalate plasticizers were very firm at present levels, and appeared steady. Producers expected to total up a good set of sales figures for the month. Supplies continued to hold a fairly close balance with output.

Activity in the prime pigments market speeded up. A broad line of paint materials has profited so far by the upturn in buying for spring painting needs. Demand for titanium dioxide was reported running quite heavy. Some instances of dislocation of supplies were encountered, although material was not rated as being in a tight category. A good deal of pressure was brought to bear on copper oxide quotations by the advance in copper metal. As yet, pigment makers' prices have not made corresponding advances, but it was uncertain how long they could stand unaltered.

The shellac market remained extremely quiet, as buyers stayed on the sidelines awaiting further developments in Calcutta. However, principals in India held their earlier quotations unchanged. Copal and dammar gums were steady and firm, with buying volume good.

Prime Pigments

Aluminum Paste, Powder—Sales were reported running along at a satisfactory rate. The market was well supplied with material, and a larger demand could be filled without undue strain, it was reported in the industry. Prices held steady.

Antimony Oxide—Pigment users maintained a steady call for material, and shipments so far this year have been up to the levels of last year, it was reported by makers over the past week. Demand in the weeks immediately ahead was expected to remain good, judging by the present rate of reordering.

Cobalt Oxide—With the metal remaining steady in price, there was no pressure to change pigment quotations. Right at the present, demand was rated as stable and was reported as originating mostly from the direction of ceramic manufacturers. Black cobalt oxide of 70-71 percent cobalt content was priced at $1.90 per pound, while the 72½-73½ percent grade was offered at $1.95 per pound. No change in prices in the oxide was expected unless there were a change in the metal first, it was stated.

Copper Oxides—Makers reported that recent sizeable advances in metal quotations have put a great deal of pressure on current offering prices for the oxides. As yet, pigment makers' quotations have not made corresponding advances, but it was uncertain at the end of the week just how much longer current price listings could stand unaltered.

Lead Pigments—Material was reported moving well, although the full upturn in demand from spring painting requirements has not been felt yet. However, makers of lead sulfates, carbonates, silicates and other lead compounds, reported a satisfactory demand, which was met without difficulty from current production. Prices were unchanged during the week and appeared basically quite steady.

Nickel Oxides—Purchases on the part of the government, plus a good demand from industry, have kept the market for these pigments fairly tight. Producers had some difficulty in shipping full amounts needed by civilian consumers, and expected a continued scarce supply situation for nickel oxides.

Titanium Dioxide—Demand has been reported running quite heavy throughout the first quarter. While material was not rated as being in the tight category, some instances of dislocation of supplies were encountered. Reductions in the price of titanium sponge effected during the week were unrelated, and did not affect titanium dioxide prices.

Zinc—Demand was said to be running about at normal rates. A check of this year's sales against those for the same period of last year showed figures just about on a par with those of last year. Prices were stable, reflecting the quiet stuation for the metal.

Price Trends

Advanced
None

Reduced
Casein, Argentine, spot, ½c. per lb.
Lead, naphthenate, liquid, 16%, ½c. per lb.
24%, 2¾c. per lb.
solid, 37%, 3¾c. per lb.
tallate, liquid, 16%, ¼c. per lb.
24%, 1¾c. per lb.
solid, 30%, ¼c. per lb.

Comparative Price Indexes
(100=1879 average)

Last week	Prev. week	Last month	April 2, 1954
97.12	**97.13**	**97.13**	**93.62**

(For Current Prices see Page 9)

Synthetic Resins

The following figures show production in pounds for January, 1955, and preliminary totals for 1954, as reported by the Tariff Commission:—

	Production Jan., 1955*	Total, 1954†
Phenolic and other tar acid resins:—		
Laminating resins	8,656,127	92,182,407
Adhesive resins	1,138,545	13,044,105
Protective coating resins, unmodified, modified, except by rosin	1,983,229	23,621,802
Urea and melamine resins:—		
Adhesive resins	9,260,337	102,672,146
Protective coating resins, straight, modified	2,813,410	27,950,285
Styrene resins:—		
Protective coating resins, straight, modified	8,074,018	85,519,069
Vinyl resins—		
Total, all types	53,806,385	516,756,007
Alkyd resins for protective coatings:—		
Phthalic anhydride types, unmodified	21,438,704	256,569,818
Modified with tar acids, rosin and or other materials	6,947,108	70,123,655
Polybasic acid types except phthalic:—		
Unmodified	1,979,441	16,192,284
Modified with tar acids, rosin and or other materials	602,912	5,629,024
Rosin modifications for protective coatings:—		
Rosin, rosin esters, unmodified ester gums, etc.:—		
Esterified with glycerol	1,614,007	16,737,902
Esterified with other alcohols	2,020,025	22,133,618
Rosin, rosin esters, modified:—		
Modification with phenolic and other tar acid condensates	1,689,578	20,048,849
Modification with maleic and fumaric acids	2,657,794	31,903,058
All other modifications	3,365,323	33,813,167
Coumarone—indene and petroleum polymer resins	18,323,510	202,894,474
Miscellaneous synthetic plastics and resin materials:—		
Protective coating resins (including epichlorohydrin, acrylic, polyester, silicone and other resins)	384,888	6,848,623

*Partially estimated. †Preliminary.

Lacquer Materials

Dibutyl Phthalate — January's production totaled 1,110,574 pounds, according to the Tariff Commission. The overall production total figure for 1954 came to 19,542,497 pounds, the commission reported.

Dioctyl Phthalates—Figures on January's production of dioctyl phthalates showed a total of 8,401,251 pounds, according to the Tariff Commission. The overall preliminary total for 1954 was given as 87,974,007 pounds.

A good volume of business in DOP was maintained over the week, producers stated. Prices were very firm at present levels, and appeared steady. Supplies continued in very close balance with demand, and there were no instances of excess production, according to informed sources.

Natural Resins

Copal, Dammar Gums — Prices at the sources were evenly maintained, and the market in this country held to a steady and firm course. Supplies were in fairly close balance on some of the more popular grades.

Shellac — The market remained quiet and, in some viewers' opinions, almost featureless, as buyers remained on the sidelines awaiting further developments. Principals in India maintained unchanged quotations.

Miscellaneous Materials

Casein—Spot quotations eased as a result of very quiet demand. Buyers appeared determined to remain out of the market until the influence of French production became apparent. Prices at the week's end ranged upward from 22¼c. per pound, a drop of ½c. from the earlier range.

Lead Naphthenates—Prices were lowered on lead naphthenates, reflecting competition in the drier market. New listings were 17c. per pound for the 16 percent, liquid,

For Late Market Developments, See Page 4

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material; 21c. on the 24 percent; and 27½c. on the 37 percent, solid, material.

Lead Tallates—Quotations were reduced last week in the face of competitive action. Liquid, 16 percent, material was quoted at 15c. per pound; 24 percent at 18½c.; and solid, 30 percent at 23¼c.

Naval Stores

Gum naval stores production at central stills during February amounted to 3,780 barrels of turpentine and 11,650 drums of rosin, according to the Department of Agriculture. The bulk of February production was at plants having gum storage facilities, with most other plants reporting very limited clean-up operations. Steam distilled rosin production was reported at 115,280 drums. Commodity Credit Corporation stocks of gum turpentine on February 28 totaled 55,830 barrels while CCC resin stocks amounted to 666,630 drums.

Rosin, Gum

(USDA, per 100 lbs.)

	Fri. Mar.25	Mon. Mar.28	Tues. Mar.29	Wed. Mar.30	Thur. Mar.31
Drums—					
K	$8.02	...	$8.10	...	...
M	8.12§	$8.10	8.20	$8.10	...
N	8.15§	8.23	...	8.20	$8.20
WG	...	...	8.28	8.30	8.17§
WW	8.42§	...	8.35§	8.40	8.38§
Bags—					
D	...	...	...	...	7.85
G	7.95	...	...	...	...
I	...	...	...	...	8.00
K	8.22§	8.01	8.15	...	...
M	7.90	...	8.15	...	8.10
WG	...	8.30	...	...	8.24
WW	...	8.45	...	...	8.40

Tankcars (for week ended March 26)—
K or better $7.85; M $7.825§

Sales, USDA				
1,120*	739*	1,299*	447*	686*

New York
(per 100 lbs., c.l., Friday)
B through M, $9.10; N, $9.15; WG, $9.20; WW, $9.35

Turpentine, Gum

(USDA; per gal., 7.2 lbs.)

Price	.56¾	.566§	.566§	.563§	...
Sales	8,000¶	12,500¶	12,000¶	12,000¶	...

New York, Friday, per gal. 7 lbs., tankcars, 62½c., l.c.l. 73c.

*Drums equivalent. ¶Gallons. §Average price.

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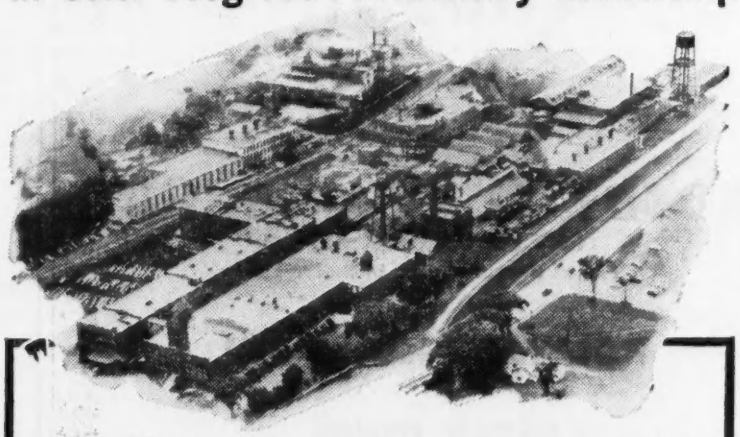
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Sherwin-Williams Names Case a Division Manager

Clyde A. Case, who has been associated with Sherwin-Williams Company, Cleveland, Ohio, since 1927, has been named central manager of the firm's pigment, color and chemical division. For the last twelve years, Mr. Case has been a sales representative for the division, which serves the paint, printing ink, chemical and rubber industries. He will direct the division's activities in a twelve-state area extending from western Michigan to Florida and will make his headquarters in the Midland Building, Cleveland.

DuPont Finishes Division Makes Several Realignments

The finishes division of E. I. duPont de Nemours & Co., Wilmington, Del., has appointed James Leo Masterson San Francisco regional sales manager. He succeeds John T. Edgerly, regional sales manager since 1942, who has been made a staff assistant in refinish sales in Wilmington.

George H. Berlin, jr., industrial sales manager of the San Francisco region since 1953, has been named Kansas City, Mo., regional sales manager, a post held by Mr. Masterson since establishment of the region in 1952. Edward M. Taney, jr., industrial sales field manager in the Cleveland, Ohio, region since 1953, will succeed Mr. Berlin as industrial sales manager in San Francisco.

Monsanto Appoints Two

Monsanto Chemical Company, St. Louis, Mo., has announced the promotion of Dr. J. W. Haun to the position of group leader in the research department of its plastics division and the appointment of Dr. Robert E. Keller as a group leader in its organic chemicals division's research department. Dr. Haun, who has been a research engineer, joined the company in 1950. Dr. Keller has been in analytical research work and has been with the company since 1952.

Canadian Resins Promotes Southwell

Canadian Resins & Chemicals, Ltd., Montreal, Canada, has promoted R. J. Southwell to executive vice-president. Mr. Southwell was previously a vice-president of the concern.

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5—Horiz. Dry Powder Ribbon Mixers, 4000#, 1500#, 500#.

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SINGLE ITEMS OR COMPLETE PLANTS
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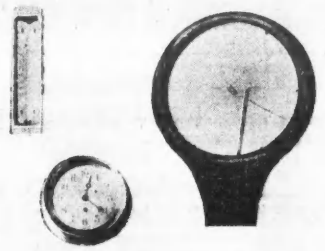

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YOUR SOURCE FOR BEST BUYS

2—Phila. Reducers 17½: 1 w/15 H.P. motors and 36" Turbines.
1—Blaw Knox 110 Gal. Jack. Ag. Autoclave 2000 psi.
1—Horiz. Jack. Autoclave 30"x48"x84" deep.
1—Keeler 350 H.P. Type CP Boiler 160# W.P.
1—Davis Inconel Heat Exch. 195 Sq. Ft.
8—Surface Condensers & Receivers, 100 to 175 Sq. Ft.
5—Unused Pfaudler 100 Gallon Glass Lined Vacuum Receivers.
1—Carrier Atmos. 8 Truck Dryer.
1—Buflovak 20 Shelf Vac. Shelf Dryer, 42" x42" Shelves.
8—Devine Double Dr. Vac. Shelf Dryers, 17 & 20 Shelf 59"x78".
1—Allbright-Nell 4'x9' Double Drum Dryer.
8—C.I. Filter Presses, 12" to 30".
2—Sweetland Filters, #10 & #12.
3—Sparkler Stainless Filters 8-6.
1—Glasscote 750 gal. Jack. Glass Lined Kettle 75# W.P.—Perfect.
2—Pfaudler Reactors, 100 & 1000 gallon, G.L.
4—Eppenbach & Premier Colloid Mills, S.S. 1 to 50 gph.
5—W. & P. Mixers—20 Gal., 100 Gal., 200 Gal., Double Arm.
2—Day 150 Gal. Stainless Steel D.A. Mixers.
3—Rotex Screens 20"x48" to 40"x120".
1—Stainless Steel Tank 2100 gal., w/coil.
1—Sharples Stainless Nozzlejector.

Bulletin A-34 now in preparation lists several hundred desirable units. Send for copy. We buy your surplus.

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533 West Broadway, New York 12, N. Y.
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EXCELLENT BUYS

BOILERS—50 HP Titusville, 150 PSI.
304 HP Kewanee 125 PSI H.R.T.
500 HP Heine 180 PSI, 2 drum 40000#/hr.
COLUMNS—72"x29'8" SS 347, welded, 21 trays, 15" spacing, 40 caps/tray.
60"x23'3 Everdur, 24 trays, 1200 caps.
12"x15' SS 347, 15 PSI.
CONDENSERS — 2790 sq. ft. Adm. tubes, 2 pass., 100 PSI.
2350 sq. ft. hor., 4 pass., copper tubes, 100 PSI.
1530 sq. ft. 24"x23' Adm. tubes, 75 PSI.
200 sq. ft. 316 SS tubes & sheets, 200 PSI, steel shell 100 PSI.
100 sq. ft. SS 347, 2 pass shell 40 PSI, 6 pass tubes 60 PSI. NEW.
DRYERS—10'6"x36' Spray, SS, gas fired.
5'x15' Rotary Vac., jkt'd., 20% nickel clad, 500 sq. ft. condenser, reducer.
20"x12'2" Rotary jkt'd. welded, gas fired.
KILNS—502-20 & 604-24 Rote Louvres complete.
14"x13', 34"x16'6", 4'x20', 4'x42', 4'6"x50', 5'x24', 5'x35', 5'x40', 5'x67', 6'4"x45', 6'x60', 8'x72', 8'x125', 9'x80'.
MILLS—#40 Raymond Imp, SS, 40 HP. NEW.
#10 Raymond Imp, SS, 10 HP. NEW.
Stokes 243D Oscillating Granulator.
MIXERS—#1 Simpson, Style B.
67, 27 & 10 cu. ft., SS, jktd. spiral & paddle.
300 gal. Baker Perkins 18-DIM, SS, double arm, tilt.
100 gal. Baker Perkins, jktd., dbl. arm, tilt.
50 gal. W.&P. Size 14BB, double sigma, tilt.
REACTORS—25 gal. 20"x26"x1¼" steel, jktd., agit., copperized control parts.
600 gal. copper, 100 PSI jkt., 25 PSI int.

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Filters, vacuum: Oliver 2½x1', Denver 1x3'.
Filter Presses: 6" to 24", C.I., alum., wood.
Mixers, port: 1, 2, 3, 5 hp.
Mixers: single and double arm, sigma blade.
Mixers, powder: 1½ to 77 cu. ft. cap.
Screens: 20x48", 42x84", 40x120", 4x10'.
Mills: 3 roll Day 12x32", 16x40".
Pulverizers: Mikro, Williams, Jeffery.
Kettles: st. steel jack. to 150 gal.
Collectors, dust: bags 5" dia., 2½ to 5' lg.
Mill; pebble: Hardinge 5'x36" continuous.
Centrifugal: Tolhurst 32" rubber covered.
Scales, hopper batch type 50-2000 lb.
Cappers, Fillers, Tanks, Labelers, etc.

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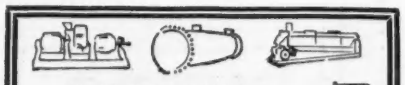

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FROM OUR LISTINGS

Twin Drum Dryer, 42"x120".
Day 1 ton Ribbon Mixer, Jktd.
ADT Rotary Dryer, 4'x15'.
Simpson Mixer #1½, style UD.
Ribbon Mixer, 100 to 2,000 lbs.
Colloid Mills, 3-5-15 H.P.
Mikro Bantam and #2 Mills.
Vacuum Pans, 42"x5', S/S, Jktd.
Pfaudler 500 gal. G.L. Reactor.
2 Steel Reactors, 350 gallons.
Fillers-Syphon, Piston & Powder.
Day #2 Mixer, Jktd.
5 gal. Dbl. arm mixer, S/S.

NEW—STEEL & S/S MIXERS, TANKS, KETTLES & TANKS FABRICATED TO YOUR SPECIFICATIONS.
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NEW AND GOOD-AS-NEW EQUIPMENT

2—Buflovak Double Drum Dryers, 32"x90".
1—Stainless Tank #430 Chrome, vert. 7'x10' deep.
20—Jacketed Kettles—Stainless, Copper, Aluminum.
1—Day Mixer, steam jacketed, 50 gal. Sigma Blade.
1—Robbins Vibrex 3x6 Vibrating Screen, single deck.
1—Copper Evaporator, steam jacketed, 9'1"x3'9".
60—New Pressure Cookers, 18"x13" & 24"x28".
150—Pumps—steam and electric.
1—New Glass Nash Centrifugal Pump, 160 gpm.
1—Buflovak Jacketed Impregnating Tank 42"x52".
1—4x8 Sturtevant Jaw Crusher.
1—Ribbon type Mixer, steam jacketed.
2—Hardinge Conical Ball Mills, 6'x22".
1—Abbe Ball Mill, 140 gal., Cohrstone lined.
#316 Stainless Steel Tanks, new 100, 200 & 350 gal.
2—Nash Air Compressors, type AL-823.
1—Manton Gaulin Stainless Homogenizer, 125 gph.
2—I&R Vacuum Pumps, 5 H.P., 60" & 100".
4—New Heat Exchangers, 12" dia. 11' lg., 45 steel tubes, 2 passes.
1—Kennedy-Van Saun Rotary Dryer, 4'x40'.
Davenport Rotary Steam Tube Dryer, 6'x36'.
1—Gruendler Hammer Mill, 10 H.P.—New.
2—Stainless Steel Steam Jacketed Readco Mixers.
1—#316 Stainless Reactor, 265 gals. cap., jacketed.
Abbe Pebble & Tube Mill, 5'x22"—Buhrstone Lined.
1—Patterson Ball Mill, porcelain lined, 17"x27".
1—Patterson Ball Mill, 42x36, jacketed.
3—Dopp Kettles with agitators, 600 gal. cap.
45—Steel Tanks from 100 to 100,000 gals.
2—Large Steam Jacketed Horizontal Mixers.
Robinson Pulverizer #20, with 2 motors 10 HP each.
Robinson Ribbon Type Mixer, 30"x10"—like new.
4—Horizontal Retorts 200# w.p., A.S.M.E., from 12" to 24" dia. 12' long.
2—Crystallizers—10' long.
1—Sparkler S.S. Filter 18-D-8.
3—3,000 gal. Jacketed Kettles with Turbo Agitators.
1—#10 J. H. Day 300 gal. Sigma Blade Mixer, Jacketed.

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Installed in 1953
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4—SHARPLES C-27 SUPER-D-HY-DRATORS 316 S.S. Vapor tight, XP timers and switches.
2—BUFLOVAK 6'x5'6" Single Drum Monel FLAKERS.
1—LEADER 1000 gal. 316 S.S. jacketed, agitated REACTOR.
1—Schaller 500 gal. 316 S.S. jacketed REACTOR.
3—Schaller 4'x13' 316 S.S. REACTORS with tubular calandrias, 513 sq. ft. each.
1—PFAUDLER 250 gal. Hastelloy "C" REACTOR.
2—I. R. JET REFRIGERATION UNITS 208 and 136 tons.
1—PATTERSON 7'6" Conical BLENDER, rubber lined.
1—RIETZ 30' "Thermoscrew" Conveyor DRYER, 304 S.S.
1—ALLIS CHALMERS 5'6"x25' Rotary DRYER.
1—ILLCO Duplex Ion Exchange NEUTRALIZER, 316 S.S.
1—PFAUDLER 390 sq. ft., 316 S.S. Heat EXCHANGER.
1—Colonial 5,000 gal. 316 S.S. TANK.
1—PFAUDLER 2300 gal. Glass Lined TANK.
2—Link Belt Twin Screw CONVEYORS, 316 S.S., 18"x10', 18"x72'.
1—Link Belt 40'6" cc Bucket ELEVATOR, 304 S.S.

13—Alberger Karbate Heat Exchangers, 255, 188, 170, 159, 70 and 16.4 sq. ft.
2—Schaller 93.8 sq. ft. nickel Heat Exchangers.
5—Pfaudler 1200, 500 and 150 gal. glass lined Tanks.
2—316 S.S. Hoppers 13,000 and 7500 gal.
7—Karbate Centrifugal Pumps Series 4A and 5A, 5 HP XP motors.
5—Lawrence 316 S.S. Vertical Centrifugal Pumps 3" and 4" XP motors.
4—Link Belt 12" rubber belt Conveyors, totally enclosed 30' to 77' cc.
7—Sturtevant, American spark proof Blowers, 7900 to 17,500 cfm XP motors.

4000 ft. 1" to 6" Saran lined pipe with fittings and 200 valves—316 S.S. fittings and valves—Karbate glass and glass lined pipe and fittings—instruments—explosion proof motors—fixtures—steel buildings.

Details on Request
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JUST PURCHASED

$3,000,000 Gas Recycling Plant consisting of 6—600 HP I.R. Gas Engine driven Compressors, 2400 sq. ft. Condensers, Pressure Vessels, Pumps, Air Compressors, etc. . . . Send for Bulletin.

DRYERS

2—Link Bell Roto-Louvre 6'4"x24', 3'10"x16', steel.
1—Link Belt Roto-Louvre 7'5"x20', stainless steel.
2—Hersey 4'x30', 3'x20' S.S. Hot Air Rotary.
3—Struthers-Wells 5'x15' nickel Rotary Vacs.
1—Devine 2'x4' Vacuum Drum, 316 S.S.
1—Stokes 138H Vacuum Shelf with 10—44"x40" shelves.
1—Devine double door Vacuum Shelf with 17—59"x78" shelves.
2—Stokes Rotary Vac. 3'x15', 30"x8'.
1—Devine Rotating Vacuum 5'x10'.

MIXERS

1—Baker Perkins 100 gal. S.S., jacketed, double arm, vacuum, 75 HP.
2—Baker Perkins 100, 50 gal. double arm, jacketed.
1—Day #30 Imperial double arm, 75 gals.
7—Sprout Waldron S.S. jacketed, Powder, 67, 27 and 10 cu. ft.
1—Struthers-Wells 6'x9' S.S. Rotating, jacketed.

MILLS

1—Patterson 6'x8' porcelain (Berylite) lined Mill, 50 HP, NEW.
5—Mikro Pulverizers #4TH, #3TH, #2TH, #2DH, #ISH.
2—Hardinge 6'x22', 4½'x16" Conical, steel lined.
3—National 10"x20", 6"x12" Two-Roll Mills with motors.

CENTRIFUGES

1—Sharples PN14 Super-D-Canter, 316 S.S.
2—Sharples C-20, C-27, Super-D-Hydrators, 316 S.S.
2—Bird 18"x28" solid bowl, continuous, 310 S.S.
3—Sharples P16 Monel and S.S. Pressurtite Super Centrifuges.
1—Bird 40" Suspended, 347 S.S., perforated basket, bottom discharge, XP motor.
1—AT&M 40" Suspended, 347 S.S. perforated basket, bottom discharge, TEFC motor.
3—Tolhurst 40", 32", Suspended, steel, perforated basket, bottom discharge, motor driven.
1—Bird 40" Suspended, rubber covered, imperforate basket, bottom discharge, motor driven.
1—AT&M 36" center-slung, rubber covered, perforated basket.

REACTORS

1—Pfaudler 100 gal. glass lined jacketed agitated.
1—Buflovak 800 gal., 347 S.S., jacketed, agitated.

FILTERS

2—Oliver 8'x10' Monel Rotary Vacuum.
1—Oliver 8'x6' S.S. Rotary Vacuum, UNUSED.
1—Sparkler 33-D-9 Filter, 316 S.S.
1—Sparkler 33-S-17 Filter, Steel.
1—Niagara 110-20 Filter with 12 S.S. leaves.
2—#3 Sweetland S.S. Filters with 12—25" dia. leaves 75 sq. ft.
4—Shriver 36"x36", 30"x30", c.i. Filter Presses, P&F, washing.

MISCELLANEOUS

4—Orville Simpson Rotex Sifters 40"x120", 40"x84", 20"x81".
2—Stokes #DD2 and #D3 Rotary Tablet Machines.

Partial List of Values—Send for News Flash!

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LIQUIDATIONS

JUST PURCHASED
ACETIC ANHYDRIDE FACILITIES

Stainless Steel Tanks T316, 4000 & 1000 gal.
Copper Bubble Cap Distillation Tower—66" dia. x 27 plate.
25—Ross and Patterson Shell and Tube Condensers and Heat Exchangers, Copper tubes—various sizes.
25—Taber and Ing-Rand Bronze Centrifugal Pumps.
Lot Copper and Brass piping, fittings, etc.

COAL PULVERIZING PLANT

1—Penna. Ring type Granulator, Trojan K3-24, 18" x 36" hopper opening, 40 HP motor.
3—Rotoclone size 20, type W. Exhausters and Dust Collectors, 40 HP motor.
2—Fuller-Kinyon Pumps, 6" type E, with 25 HP motors.
1—Steel Bucket Elevator, 81' H, 16" x 16" x 8" buckets.
1—Drag Conveyor, 8" x 16" x 65'

Lithopone Mfg. Plant

1—Traylor Rotary Kiln, 10'6" D x 105' L x ¾" welded shell
2—Muffle Furnace Chrome Nickel Alloy Tubes, 24" dia. x 8'6" L.
1—Pivoted Bucket Carrier, 185 lin. ft., 16" x 18" piv. bkts.
1—Allis Ch. Contin. Steel Ball Mill, 6' D x 16' L.
3—Pebble Mills, Contin., 4'6" D x 12' L.
2—Charlotte #50 Colloid Mills.
1—Humbolt Colloid Mill, Jacketed, 50 HP.
1—Bird 36 x 50 Solid Bowl Centrifuge.
1—Sperry 30" C.I. P&F Filter, 46 ch., hydr. closer, vis. cl. disch.
2—Richardson Convey-O-Weigh Scales.
3—Trough Belt Conveyors, 22' to 35' L.
3—Pan Conveyors, 30' to 95' L.

FROM DISTILLERY

2—42" x 120" Double Drum Dryers.
4—Centrifugal Pumps with 30 HP to 50 HP motors to 100 GPM.
1—Nash Hytor Compressor with 20 HP motor.
1—8800 gal. Horiz. Steel Pressure or Vacum Cooker, ASME 85#, with agitator, drive, pump.
10—Copper Tanks. 2800 gal., 2300 gal., 1723 & 1463 gal. cap.
1—Fitz. Model F Comminuting Mach., St. St. 25 HP.
1—Gruendler 36x24 Hammermill.
1—J. B. Hammer Mill, 75 HP.
1—Coppus Steam Turbine, 75 HP.
1—Ing. Rand type 20 Air Compressor, 30 H.P.
1—350 HP Package Boiler.
3—Indust. Leaf Filters.

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TYPICAL ITEMS FROM OUR INVENTORY

Struthers-Wells Stainless Vacuum Pans; 5'x12'8" with Calandria 630 sq. ft. surface; 200 PSI.
Stainless Jacketed Agitated Vacuum Reactor, 5'x91" with Jet Evactor and Barometric Condenser.
Zaremba INCONEL Double Effect Evaporator; 60"x17' and 84"x15'6".
Swenson Quadruple Effect Evaporator: Long Tube Vert. Film Type.
Lummus Copper Bubble Cap Alcohol Reduction Unit; 5 sections; 18"x21' Overall.
Porter Type 316 S.S. 30 cu. ft. Ribbon Mixer.
Stainless Steel 63 cu. ft. Ribbon Mixer; 36"x100".
Sprout Waldron 283 cu. ft. Steel Ribbon Mixer; 5'x10'.
Readco 210 gal. Jacketed Heavy Duty Double Ribbon Mixer, 30"x68".
Sprout Waldron Stainless Ribbon Mixer; Continuous Cylinder; 28"x12'.
4 Gal. Double Arm Jacketed Mixer with cover; motorized; 11"x10"x8—¾".
W. & P. Type Heavy Duty Double Arm Jckt'd. Mixer; 100 gal. working.
Baker Perkins 200 gal. Jacketed Double Arm Mixer; size 17; BB/V11.
Stainless Tumbling Barrel Mixer, 5'x5'; baffled interior; 3 HP.
Lancaster Mix Mullers; Type EAG3 and EAG4 with accessories.
Simpson Intensive Muller Type Mixer; Model 'O'; 36"x15"; Jacketed.
Stainless Steel Bubble Cap Column; 16 sec.; 8⅝"x19', complete.
Aluminum Column; Bubble Cap; 60 plates; 27½" dia. x 36' high.
Pfaudler Glass Lined Jacketed Reactors; 150 gal., 400 gal., 1000 gal.
Pfaudler Stainless Jacketed Agitated Reactors; 50 gal. and 75 Gal.
755 Gal. Stainless Vacuum Still, 4'6"x6' with Coils and Alum. Column 18"x15'.
Stainless Calandria Section; 185 Sq. Ft. area; 300 Stainless Tubes, ¾"x38".
Monel 750 gal. Reactor; Jacketed and Agitated; 5'x5'.
Lancaster Stainless Lined Rotary Reactor; 300 PSI; Int. 50"x17'.
Dopp Cast Iron Jacketed and Agitated Kettles; 650 gal.; 61"x68".
Bethlehem Cast Iron Sulphonator; 79"x74½"; with Coils in Jacket.
3 Nickel 90 Gal. Steam Jacketed Kettles; 30"x30".
Orville Simpson Rotex Sifters; 30"x60"; 60"x84"; 40"x120".
Robinson Unique Gyro Sifters; 20"x69"; 20"x86", 40"x60".
A. O. Smith; Stainless Lined Pressure Tanks; 135 PSI; 10'x30'.
Horizontal Lithcote lined Tank; 3500 gal. 6'x17'.
Oliver Horizontal Rotary Vacuum Filter; Pan 7' Dia.; Stainless Contacts, complete with Drive and Discharge Mechanism.
Baker Perkins 3CS Slurry Feeder; Screw Type; Type 316 Stainless; Motorized.
Shriver & Sperry Aluminum Filter Presses; 12", 18", 30", 36".
Shriver & Sperry Stainless Filter Presses; 12" and 18".
2 Enzinger Pressure Filters; 15 leaves in tank 48"x91".
Patterson-Columbia Separator; Type RDE; chromed and tinned contacts; 7½ HP.
A.T.&M. 30" S.S. Suspended Centrifuge, plow discharge; 20 HP.
A.T.&M. 42" Stainless Suspended Centrifugal; 30/15 HP.
Sharples Super-D-Hydrators; Models C20 and C27 in Stainless.
Sharples Super-D-Canter Type 316 SS; Model PN 14.
DeLaval Nozzle Ejector Stainless Centrifuge or Yeast Separator.
De Laval Centrifugals; Models 44-11 and Type 94-11; industrial AA-00 5 HP. XPL.
Bird 36"x50" Centrifugal Filter; Rubber Cov. & S.S.; 40 HP.
Bird 18"x23" Continuous Steel Centrifuge with solid conical bowl.
Bird 40"x60" Continuous Stainless Steel Centrifuge, 50 H.P.
Horizontal Vulcanizer, 6'x10'; Simplex Door; ASME-U69; at 125#PSI.
Buflovak Stainless Clad Vac. Filter-Dryer; Jkt'd; 79"x58", complete.
Ross Stainless Steel Heat Exchanger; 1100 sq. ft. surface area.
American Ring Roll Pulverizer with 50 HP 3/60/220-440 V motor.
Mikro Pulverizers; Models Bantam, 2SI, 2TH, 2SCB and 4 F.
Raymond Imp Mills; Models 00, 0000, #32, #47 with accessories.
International type X24 Pebble Mill 8'x8' with 50 HP gearmotor.
Patterson Buhrstone Lined Pebble Mills; 5'x8'; 6'x6' and 6'x8'.
Hardinge Conical Ball Mill, 10' diameter x 48" face.
Hersey 5'x26' Counter Current Gas Fired Dryer; Atmospheric.
Stokes Rotary Jacketed Vacuum Dryer; 30"x10', complete.
Devine Vacuum Shelf Dryer No. 12; shelves 40"x42".
Squier Stainless Clad Rotary Atmospheric Dryer; 30"x20'.
Bagley & Sewell Double Drum Dryer; 28"x60" with Accessories.
C.E. Two Stage S.S. Flash Drying System; 1000 lbs. evap. per hour.
Raymond Flash Drying System including No. 47 Imp Mill, Dust Collector, Cyclone Gas Fired Heater and accessories.
Louisville Steam Tube Dryer; 54"x40' with Cooler 38"x20'.
Rotary Jacketed Vacuum Dryer; 52"x102"; Dust Collector & access.
2 Nickel Plated Drying Drums; 48"x48".
Precision Scientific Electric Oven; 6'x4'6"x2'6"; Stainless.
Ross Gas Fired Indirect Heater; 3,280,000 BTU per hr.; 5000 CFM.
Tablet Presses in stock; Stokes RD1, RB2, RDD2; Colton 3D, 5½T, R16-35.
A.T.&M. 30" Suspended Centrifuge Imperforate S.S. Basket; 20 HP XPL.

COMPLETE PLANTS FOR SALE FOR THE PRODUCTION OF

- CO2 (Dry Ice)
- Distillery
- Oil Expeller
- Flash Drying
- Pectins
- Cotton Seed Oil
- Chem. Fertilizer
- Fruit Juices
- Lime Calcining
- Yeast
- Brewery
- Solvent Extraction
- Pelleting-Briquetting
- Printing Inks
- Oil Refining
- Vegetable Canning
- Penicillin
- Paint & Lacquer

SEND FOR BULLETINS LISTING SPECIAL UNITS!

- Evaporators
- Reactors
- Condensers
- Colloid Mills
- Centrifugals
- Dryers
- Hammermills
- Screens - Sifters
- Pebble Mills
- Filter Presses
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1—Buffalo Vac. Drum Dryer, 24"x20".

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Stainless, alum., copper. Glass lined, lead lined and steel kettles and tanks.
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2—Mikro Pulverizers #2TH & 4TH.
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1—#00 Raymond Mill, 30 HP complete.
2—#0000 Raymond Mills.
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Houchin 18"x30" 4 Roll Granite Stone Mills.
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Lancaster 6' dia. Vert. Mixer 25 HP.
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Hercules Consultant Made Deputy Ass't Army Sec'y

Henry N. Marsh, consultant to Hercules Powder Company, Wilmington, Del., has been appointed deputy assistant Secretary of the Army for logistics and research and development. Since 1952 Mr. Marsh has served as smokeless powder consultant to the explosives department of Hercules and as advisor on civilian and military matters. He has been granted a year's leave of absence by Hercules to accept this appointment.

GAYCO SEPARATORS—5'—6'—8' diameter w motors (almost new).

STAINLESS STEEL AUTOCLAVES — 1,000 p.s.i.—1 gal.—Agitated.

FEEDER—Syntron F-44-W 10"x104" S/S trough w selenium rectifier.

BALL MILL—30x30 w/5 HP motor & Pebble 50x48 w/7½ HP.

PEBBLE MILLS—24x36—60x48 Porcelain lined—Motorized.

SCREENS—Tyler Hummer 3'x5' & 4'x5' single/triple deck—Roball 40"x10'.

HAMMER MILLS—Wms. 8x15—24x30 GA 30.

FORK LIFT TRUCKS—7500# cap. Hyster—New engines. Pneumatic tires.

JAW CRUSHERS—11x26 Good Roads; 36"x15" Farrel.

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DRYER, BUFFALO—Double Drum, 32" dia. x 90". Reconditioned.
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1—36" Iron P&F Filter Press.
2—New Milton Roy SS Proportioning Pumps.
1—New (Desco) 25 H.P. Agit. Drive.

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1—Pfaudler Auto Clave 1 gal. 1000 lb.
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1—Ames 500 HP Package Boiler, 100 psi, complete.

1—Struthers-Wells 1800 gallon steel jacketed vacuum Reactor with impeller type agitator.

1—Paterson-Kelly 1500 gal. steel jacketed Kettle 75 psi, ASME.

1—Pfaudler 150 gal. Stainless Steel Jacketed Tilting type Kettle with agitator.

5—Stainless Steel 650 gal. Jacketed Closed Kettles with agitators.

4—Pfaudler 50 gal. Glass Lined Jacketed Vacuum Reactors, w/agitator.

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2—Pfaudler 10,000 gallon Glass-lined Storage Tanks (New).

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2—Fletcher Stainless Steel 20" Centrifuges, perforated baskets.

1—Fletcher Stainless Steel Suspended Centrifuge with 40" perforated basket.

1—AT&M 48" Suspended Type Stainless Steel Centrifuge.

2—Sharples Type 316 Stainless Steel Centrifuges Model D-2.

4—Baker Perkins Double Arm Sigma Blade Jacketed Mixers, 100 gal.

1—De Laval Type 316 Stainless Steel Multimatic Centrifuge.

1—Morehouse Stainless Steel Lab Mill w/Motor.

1—J. H. Day 50 gal. Stainless Steel Jacketed Mixer, Sigma Blades.

1—Thropp 6" x 12" two roll mill, w/motor.

1—J. H. Day 75 gal. Jacketed Double Arm Sigma Blade Mixer.

1—Struthers-Wells Northmaster Mixer, 50 gal. capacity, Double Arm Sigma Blades.

1—Read Stainless Steel Jacketed Vacuum Mixer, Double Arm Sigma Blades, 10 gal. capacity.

1—Nooter Type 316 Stainless Steel Jacketed Reactor, 1000 gallon capacity, 50 lbs. internal 110 lbs. in jacket (New).

1—Allis Chalmers 28" x 60" Double Drum Dryer.

1—Buflovak 32" x 90" Double Drum Dryer Complete.

2—Buflovak Double Drum Dryers, 24" x 36".

2—Buflovak Single Door Vacuum Shelf Dryers, 20 shelves.

1—Stainless Steel Rotary Vacuum Dryer, 3' x 12'.

2—Devine Single Door Vacuum Shelf Dryers, 5 and 10 shelves.

1—Devine Lab. Vacuum Shelf Dryer—3 shelves (New).

1—Struthers Wells 480 sq. ft. Hastalloy "B" Heat Exchanger —New.

1—Stainless Steel Feed Hopper, 10'x6' complete, w/12" screw conveyor.

1—Bartlett & Snow Stainless Steel Bucket Elevator, 22' centers, 6"x4" buckets.

4—Alco 500 sq. ft. Stainless Steel Heat Exchangers.

6—Struther Wells 650 sq. ft. Stainless Steel Heat Exchangers.

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Hercules Powder Appoints Rosin Size Sales Manager

Hercules Powder Company, Wilmington, Del., has named P. F. Neumann manager of rosin size sales and has announced five other appointments.

Thomas S. Morse has been appointed manager of sales service for paper chemicals, James K. Farrell has been named manager of product improvement in paper chemicals. Robert R. Buss will be the company's new acting manager of its Wilmington branch sales office. Henry Grace was picked as manager of the cellulose products department's Chicago office, and Emmett E. Hixon has become manager of that department's Detroit, Mich., office.

Mr. Neumann has been manager of technical service for the paper makers' chemical department for the past nine years. He joined Hercules in 1937. Mr. Morse has been a sales supervisor in paper chemicals for the past six years. Mr. Farrell has been with Hercules since 1940. Mr. Buss has been assistant manager of the company's Kalamazoo, Mich. sales office for the past two and one-half years. Mr. Grace goes to the Chicago office after spending two and one-half years as manager of the Detroit office, while Mr. Hixon is returning to a branch office sales manager's position after two and one-half years as service superintendent of the company's Parlin, N. J., plant.

Vinyl Plastisol Resin Booklet Is Offered by Monsanto Chemical

Technical data on the properties, compounding and application of "Opalon 410" vinyl plastisol resin is contained in a new twenty-two page report available from Monsanto Chemical Company's plastics division, Springfield, Mass.

The booklet, illustrated with charts and graphs, describes the effect of plastisol ingredients on the finished compound. Special reference is given to the effect of ingredients on the compound viscosity. Components covered are primary and secondary plasticizers, fillers, pigments, stabilizers, surface active agents and diluents.

Also covered are the compounding steps of mixing, de-aeration and fusion. Information on applying plastisols describes in detail the methodology used, together with typical starting formulations. Technics outlined are coating, slush molding, dip coating, casting, expanded plastisols, and plastigels.

Curing Agent Development Is Told by Shell Chemical

Shell Chemical Corporation, New York, has developed a new modified amine curing agent, "Experimental Curing Agent U." Development work has shown the product to be particularly useful in epoxy castings, potting and adhesives and laminating applications where room temperature or moderately elevated temperatures of curing are desired, it was reported.

The company indicated that this new curing agent is expected to find widest usage with the lower molecular weight resins, particularly "Epon 828," although it can be used with all "Epon" resins. In all applications the low vapor pressure minimizes the odor associated with unmodified polyamines, it was said.

Olive Oil Import Increase By US Reported for 1954

Olive oil imports into the United States increased substantially in 1954, according to the Foreign Agricultural Service. Edible and inedible oil purchases totaled 32,616 short tons, or 40 percent more than in 1953. Almost one-half of the 30,684 tons of edible oil came from Spain and one-fourth from Italy. Imports from Spain, Italy, Tunisia, Algeria and France were all considerably larger than in 1953. The major portion of the inedible oil originated in Portugal.

Continental Blacks Names Ruble Ass't Vice-President

Continental Blacks, Inc., has named Ted A. Ruble assistant vice-president, with headquarters at Amarillo, Tex. Mr. Ruble had been manager of the company's plants at Westlake, La., and Ponca City, Okla. Mr. Ruble will continue to direct the company's research and development program and will have new duties in connection with special projects.

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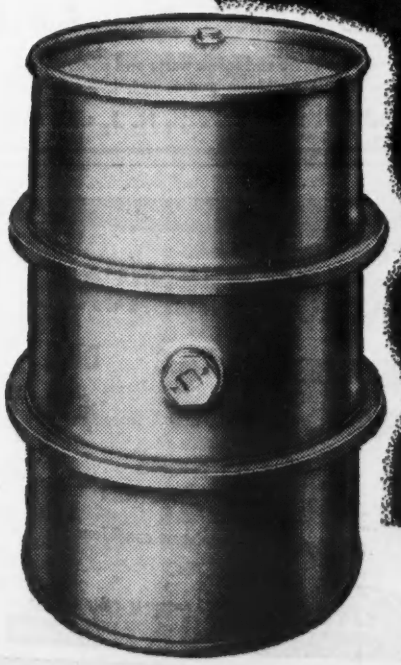

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For Sale—one 13x32 Kent High Speed 5 Roller Mill complete with 20 HP motor, three pair 36x24 Heavy Paste Mixers complete with discharge gates and clutch levers, eight Heavy Duty Wagon Trucks, 24" deep 30" wide 48" long. Will sacrifice for quick sale. The O'Brien Corporation, South Bend 21, Indiana.

Niagara Filter 95-36; 785 sq. ft. stainless T316 Tube Bundle; Sparkler Filter 18S15 Stainless Steel; 20 cu. ft. Stainless Double Ribbon Blender; 20 gal. Stainless Jacketed Still Pot with condenser, receivers, piping; Three-23,000 gal. Lastiglass Lined Tanks; B.P.-#14JEM 50 gal. W.C. Jacketed Heavy Duty Double Sigma Blade Mixer. Bargain Prices. Best Equipment Company, 617 Davis Street, Evanston, Illinois. DAvis 8-0926.

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Balsam Fir Oregon, clarified, light clear color, attractively priced, prompt shipments, state requirements. OPD 628.

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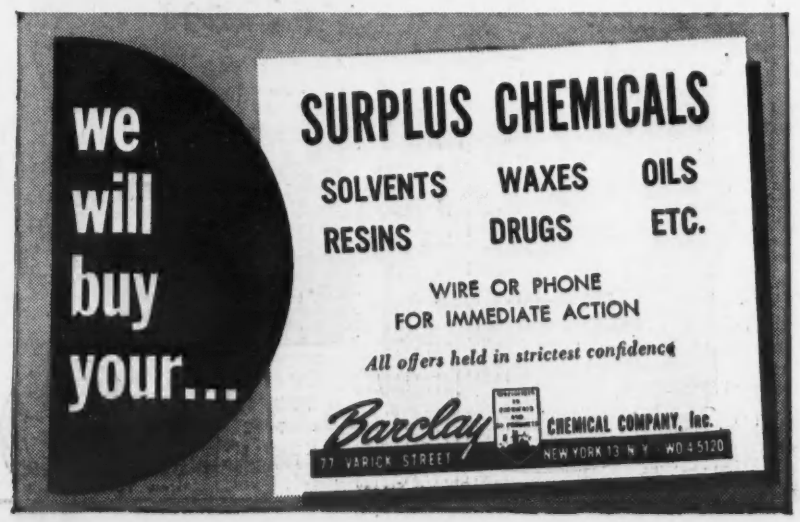
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Antitrust Study Findings

—Continued from page 3

blanket equivalent of conspiracy. Its probative value in establishing the ultimate fact of conspiracy will vary case by case. Proof of agreement, express or implied, is still indispensable to the establishment of a conspiracy under the antitrust laws."

In the matter of antitrust policy in distribution, the committee dealt at great length with such questions as refusals to deal; exclusive dealings; resale-price maintenance and fair trade, and price discriminations.

"We believe," the committee said, "that individual businessmen's refusals to deal, standing alone, are entirely legitimate and should not be viewed as legally suspect. . . . Yet a refusal to deal may lend itself to abuse as an instrument of monopoly power, and can implement a broader course of conduct in restraint of trade. Hence we believe that only thoroughgoing factual inquiry into the surrounding business circumstances can characterize a refusal to deal as part of a restrictive course of conduct incompatible with antitrust objectives."

Comments on Price Discrimination

As regards price discriminations, the report recommended that the analysis of the statutory "injury," a requirement in price discrimination cases, be centered on the vigor of competition in the market rather than on hardship to individual businessmen.

The committee also said in another part of the report that the Federal Trade Commission should re-evaluate its enforcement policies in enjoining illegal discriminations in prices. In recent years, the commission has adopted the practice of culminating successful price discrimination proceedings with "concise" cease and desist orders, which simply forbids a respondent henceforth to quote any differential prices in sales among competing purchasers, or even to non-competing customers.

In the matter of measuring discrimination in relation to costs of the seller, the report recommended that the FTC adopt realistic standards acknowledging the inadequacies inherent in accounting measurements of prices.

"As a legal framework," it was stated, "we recommend recognition that a Robinson-Patman cost defense is not susceptible to testing by precise or mechanical rules. We advise a liberal interpretation of the statute's 'due allowance' criterion."

Quantity Limits Proviso Scored

The committee was critical of the quantity limits proviso of the Robinson-Patman act which the FTC is now seeking to apply to the rubber tire industry. This proviso authorizes the FTC to impose a ceiling beyond which cost savings resulting from economical quantities might no longer be lawfully reflected in a lower price. The committee said that this proviso complicates the act with novel and perplexing criteria.

The committee gave support to the "good faith" clause in the Clayton act. "Whatever the interpretation of the substantive price discrimination offense," it was stated, "we think that a seller's right to meet a competitor's prices by granting price differentials to some customers without reducing his prices to all must remain an essential qualification to any anti-price discrimination law."

As to the question of the legality of "delivered pricing," the report expressed approval of the court interpretations of the Sherman act which "impartially condemn 'delivered' pricing only when part of a conspiracy." It added, however, that the law should carefully differentiate between competitive and collusive "delivered" pricing.

Diammonium Phosphate

—Continued from page 5

would not otherwise do so, to use this new product."

Bringing this down to dollars and cents, TVA setimated that such commercial producers could offer diammonium phosphate at about $120 per ton, f.o.b. plant, with a margin for profit. TVA, however, has set its resale price at $110.49 a ton, bagged, f.o.b. Sheffield, Ala. This figure, although $9.50 a ton below the estimated commercial price because of TVA's educational program, is, nevertheless, well above the agency's cost of production, it was pointed out.

According to the TVA statement, there are three commercial producers of diammonium phosphate for fertilizer use. Their estimated combined sales for 1955 are put at 30,000-40,000 tons. In addition, two producers for food and chemical uses sell the material in small quantities for high-priced fertilizer specialties, such as transplanting solutions.

In justifying its decision to go ahead with the production of diammonium phosphate production, TVA pointed to its successes with two previous programs—concentrated superphosphate and ammonium nitrate. In 1934, it was stated, US production of superphosphate was around 70,000 tons. Exclusive of TVA output, annual production today is figured at some 900,000 tons. As for ammonium nitrate, TVA recalled that its use in 1943 as a fertilizer was almost unknown. By 1953, some 650,000 tons of ammonium nitrate were supplied to farmers. This, it was added, excludes the amount furnished by the federal agency.

Barrett Now Producing Nylon

—Continued from page 3

6, the new material will be marketed under the tradename "Plaskon Nylon 8200."

The new material is the result of close cooperation among three divisions of Allied Chemical—Barrett Division, National Aniline Division and Nitrogen Division. The Barrett and Nitrogen Divisions supply basic chemicals, while National Aniline operates nylon production facilities at Hopewell and Chesterfield, Va. Barrett then takes over as the selling agent.

It was stated that the material offers interesting new possibilities to molders and extruders. These include high tensile strength, excellent abrasion resistance, light weight, self-lubricating properties, good resistance to chemicals, high heat resistance and excellent impact strength and toughness, according to Barrett. It is now possible to produce larger parts with thicker sections because of improved moldability. On the basis of available data, the company expects that the new nylon will be able to compete economically with less costly materials of lower strength.

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Heavy Water Sale to Italy Wins Approval of US Gov't

Lewis L. Strauss, chairman of the Atomic Energy Commission has announced that the United States has agreed in principle to the request of the Italian government for the purchase of ten tons of heavy water to be used in Italy's first research reactor.

This project was among the matters discussed between representatives of the two governments during the recent visit to Washington of Prime Minister Scelba of Italy. The projected sale is the second of its kind. The first, announced February 12, was for the sale of ten tons of heavy water, to be delivered to India in 1955 and 1956, for use in a research reactor to be built near Bombay. Both actions are part of the support of the President's atoms-for-peace plan.

Atomic Energy Commission Sets Up Licensing Division

K. D. Nichols, general manager of the Atomic Energy Commission, has announced the establishment of a division of licensing in the AEC staff, and the appointment of Harold L. Price as director.

The division will be responsible for the preparation and administration of commission regulations dealing with the licensing of private atomic energy activities and related matters under the atomic energy act of 1954. Early preparations of regulations for consideration by the commission had been carried on by a group of AEC staff members under the direction of Mr. Price.

Vulcan Steel Names Dan Donoher

Vulcan Steel Container Company, Birmingham, Ala., has named Dan Donoher New York representative. Mr. Donoher, who will headquarter in Bloomfield, N. J., started in the container business in 1940. He has spent two years in the Chicago area, three years in New Orleans, La., and ten years in the metropolitan New York area.

Trade Briefs

Koppers Company's tar products division, Pittsburgh, Pa., has developed a new

Daniel Products Company, New York, has been organized by Frederick K. Daniel to market specialty products to the protective coatings industry.

Commercial Solvents Corporation, New York, has furnished technical equipment for a paint technology laboratory at the Missouri School of Mines and Metallurgy, Rolla, Mo.

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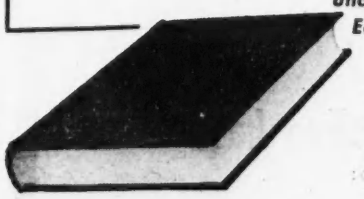

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